Personal Systems Reference
Lenovo IdeaCentre Desktops

October 2010 - Version 387

IdeaCentre K300

IdeaCentre B300

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IdeaCentre™ K210 (Celeron® and Pentium®)

Part number	Slot x bay	Processor	GHz	L2 cache	Cores	Memory[8]	Media reader	SATA disk	SATA optical	Graphics	Modem	Monitor	Camera	Vista preload	Avail date
57-078915	4x5	Celeron E1200	1.60	512KB	2	*2GB*	16-in-1	320GB[2]	DVD±RW	GMA 3100			Camera	Home Prem	May 08
57-078894	4x5	Pentium E2140	1.60	1MB	2	*4GB*	16-in-1	500GB	DVD±RW	GMA 3100			Camera	Home Prem	May 08
57-076245	4x5	Pentium E2180	2.00	1MB	2	1GB	16-in-1	320GB	DVD±RW	GMA 3100	Mod			Home Basic	May 08
57-076162	4x5	Pentium E2180	2.00	1MB	2	*2GB*	16-in-1	320GB	DVD±RW	GMA 3100	Mod		Camera	Home Prem	May 08
57-076161	4x5	Pentium E2180	2.00	1MB	2	*3GB*	16-in-1	500GB	DVD±RW	GMA 3100	Mod			Home Prem	May 08
57-076522	4x5	Pentium E2180	2.00	1MB	2	*3GB*	16-in-1	500GB	DVD±RW	GMA 3100	Mod	L222	Camera	Home Prem	May 08

- ***Antibacterial keyboard uses special material on the surface of the keys to restrain bacterial growth***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***
- ***(Select models) Healthcare eyesight protection software detect distance between user and monitor and adjusts monitor brightness based on environment***
- ***(Select models) Lenovo Bright Eye camera and VeriFace face recognition software help control access to your computer by recognizing your face***

Processor	**Intel Celeron Dual-Core Processor E1200** with **dual-core**, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 512KB L2 cache or **Intel Pentium® Dual-Core Processor E2140** or **E2180** with **dual-core**, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 1MB L2 cache
Implementation	Processor in FC-LGA6 package in LGA775 socket
Memory	**1GB**, **2GB**, **3GB**, or **4GB std**, 4GB max[8], **PC2-5300 667MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets *Italics:* standard memory in both sockets; no sockets available; *Non-italics:* standard memory in one socket; 1 socket available
Graphics	**Intel Graphics Media Accelerator 3100 (GMA 3100)**, integrated graphics in G31, uses main memory, one 15-pin analog D-sub connector
SATA disk	**320GB** or **500GB**, SATA 3.0Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7DH
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors
EIDE controller	One
EIDE cables	None
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**Intel G31 Express Chipset**; I/O Controller Hub 7 Digital Home (ICH7DH) for SATA 3.0Gb/s, PCI Express® x1, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O for serial, parallel, keyboard, mouse functions
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports	Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
Audio	High Definition (HD) audio, ALC662 codec
External speakers	None
Internal speaker	None
Ethernet	10/100 ethernet on planar, Intel 82562GZ (PHY/MAC)
Modem	*Some:* 56K[10] V.92 data/fax soft modem, PCI adapter
Security chip	None
TV tuner	None
Camera	*Some:* Lenovo Bright Eye camera, 0.3-megapixel, fixed focus
Keyboard	104-key antibacterial keyboard (PS/2 connector)
Mouse	Optical Wheel Mouse (USB connector), 400 dpi
Power supply	280 watts, universal, manual switch

Tower

- Black and silver bezel
- 7.1" W X 17.0" D X 15.0" H
- 180mm W X 432mm D X 380mm H
- 21.5 lb (9.75 kg)
- Toolless cover removal
- Toolless disk, optical drive removal
- Toolless adapter retention

Bay ① 5.25", 1.6" high, access, standard optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.0", 1" high, access, 16-in-1 media reader
Bay ④ 3.5", 1" high, no access, standard disk
Bay ⑤ 3.5", 1" high, no access, optional disk

Slot 1: half-length, full-height, PCI Express x1 Ver 1.1
Slot 2: half-length, full-height, PCI Express x16 Ver 1.1
Slot 3: half-length, full-height, 32-bit PCI Ver 2.3 *
Slot 4: half-length, full-height, 32-bit PCI Ver 2.3

* modem in slot in some models

Lenovo L222 Wide

- Widescreen 22-inch flat panel monitor
- Active Matrix TFT LCD screen
- Supports WSXGA+ 1680x1050 resolution
- 16:10 aspect ratio
- 22.0" (559mm) viewable image size (diagonal)
- 300 nits brightness (typical)
- 1000:1 contrast ratio (typical)
- 5ms pixel response time
- Dual video input: one analog D-sub connector and one digital DVI-D connector
- HDCP-compliant
- Ergonomic stand tilts and swivels
- High-gloss black case
- Touch-sensitive control button
- Soundbar with speakers included

Lenovo L222 Wide Monitor is only bundled with some models

Preloaded operating system[20]

- *Some:* Genuine Windows® Vista® Home Basic 32
- *Some:* Genuine Windows Vista Home Premium 32

✧ *57-076245:* Vista Basic logo
✧ *Others:* Vista Premium logo

Preloaded applications[5]

- Lenovo® OneKey Recovery
- Lenovo Healthcare Software
- Lenovo Media Studio
- Driver and Application Installation
- Trend Micro™ PC-cillin™ Internet Security 2007
- EarthLink®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- VeriFace™
- Corel® WinDVD® (DVD±RW)
- CyberLink Power2Go (DVD±RW)

Available at these retailers

- B&H™
- J&R™
- Newegg®
- TigerDirect
- ASI Computer Systems

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1551)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

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	Part number	Slot x bay	Processor	GHz	L2 cache	Cores	Memory[8]	Media reader	SATA disk	SATA optical	Graphics	Modem	Monitor	Cam-era	Vista preload	Avail date
	57-076523	4x5	Core 2 Duo E4600	2.40	2MB	2	*3GB*	16-in-1	500GB[2]	DVD±RW	GMA 3100	Mod	None	None	Home Prem	May 08
☞	57-082791	4x5	Core 2 Duo E7200	2.53	3MB	2	*3GB*	16-in-1	500GB	DVD±RW	GMA 3100		None	Cam	Home Prem	Aug 08
	57-076158	4x5	Core 2 Quad Q6600	2.40	8MB	4	*3GB*	16-in-1	500GB	DVD±RW	GMA 3100	Mod	None	None	Home Prem	May 08
	57-076244	4x5	Core 2 Quad Q6600	2.40	8MB	4	*3GB*	16-in-1	500GB	Blu-ray	HD 2600 PRO	Mod	None	None	Home Prem	May 08
☞	57-082788	4x5	Core 2 Quad Q6600	2.40	8MB	4	*4GB*	16-in-1	500GB	DVD±RW	9300 GE	Mod	None	Cam	Home Prem	Aug 08

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- ***(Select models) Lenovo Bright Eye camera and VeriFace face recognition software help control access to your computer by recognizing your face***

Processor	**Intel® Core™ 2 Duo Processor E4600** with **dual-core**, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB L2 cache or **Intel Core 2 Duo Processor E7200** with **dual-core**, Intel 64 Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q6600** with **quad-core** (dual-core on dual-die), Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 8MB L2 cache
Implementation	Processor in FC-LGA6 package in LGA775 socket
Memory	**3GB** or **4GB std,** 4GB max[8], **PC2-5300 667MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets *Italics:* standard memory in both sockets; no sockets available
Graphics	*Some:* **Intel Graphics Media Accelerator 3100 (GMA 3100)**, integrated graphics in G31, uses main memory, one 15-pin analog D-sub connector *Some:* **ATI™ Radeon™ HD 2600 PRO**, PCI Express x16, 256MB memory, DirectX® 10, ATI Avivo™, one D-sub connector and one DVI-D connector, HDCP-compliant *Some:* **NVIDIA® GeForce® 9300 GE**, PCI Express x16, 256MB memory, DirectX® 10, TurboCache, PureVideo™ HD technology, S-video out, VGA connector, DVI-I connector, HDCP-compliant
SATA disk	**500GB**, SATA 3.0Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7DH
SATA DVD±RW	*Some:* Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA Blu-ray™	*Some:* Blu-ray Disc reader (no Blu-ray media burning), supports HD-DVD playback, DVD and CD recordable
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors
EIDE controller	One
EIDE cables	None
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**Intel G31 Express Chipset**; I/O Controller Hub 7 Digital Home (ICH7DH) for SATA 3Gb/s, PCI Express® x1, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O for serial, parallel, keyboard, mouse functions
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports	Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15, DVI-D in some models)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
Audio	High Definition (HD) audio, ALC662 codec
External speakers	None
Internal speaker	None
Ethernet	10/100 ethernet on planar, Intel 82562GZ (PHY/MAC)
Modem	*Some:* 56K[10] V.92 data/fax soft modem, PCI adapter
Security chip	None
TV tuner	None
Camera	*Some:* Lenovo Bright Eye camera, 0.3-megapixel, fixed focus
Keyboard	104-key anti-bacterial keyboard (PS/2 connector)
Mouse	Optical Wheel Mouse (USB connector), 400 dpi
Power supply	280 watts, universal, manual switch

Tower

- Black and silver bezel
- 7.1" W X 17.0" D X 15.0" H
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- 21.5 lb (9.75 kg)
- Toolless cover removal
- Toolless disk, optical drive removal
- Toolless adapter retention

Bay ①	5.25",	1.6" high, access,	standard optical
Bay ②	5.25",	1.6" high, access,	open
Bay ③	3.0",	1" high, access,	16-in-1 media reader
Bay ④	3.5",	1" high, no access,	standard disk
Bay ⑤	3.5",	1" high, no access,	optional disk

Slot 1: half-length, full-height, PCI Express x1 Ver 1.1
Slot 2: half-length, full-height, PCI Express x16 Ver 1.1**
Slot 3: half-length, full-height, 32-bit PCI Ver 2.3 *
Slot 4: half-length, full-height, 32-bit PCI Ver 2.3

* modem in slot
** used in some models

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- TigerDirect

Preloaded operating system[20]
- Genuine Windows® Vista® Home Premium 32
- ✧Vista Premium logo

Preloaded applications[5]
- Lenovo® OneKey Recovery
- Lenovo Healthcare Software
- Lenovo Media Studio
- Driver and Application Installation
- Trend Micro™ PC-cillin™ Internet Security 2007
- EarthLink®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- VeriFace™
- Corel® WinDVD® (DVD±RW, Blu-ray)
- CyberLink Power2Go (DVD±RW, Blu-ray)

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- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

☞ US models announced July 15, 2008; previous models on May 12, 2008

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Type-model	Slot x bay	Processor	GHz	L2 cache	Cores	Memory[8]	Media reader	SATA disk	SATA optical	Graphics	Modem	Monitor	Camera	Vista preload	Avail date
5313-3AU	4x5	Celeron E1200	1.60	512KB	2	1GB		160GB[2]	DVD	GMA 3100		None		Home Basic	Jul 08
5313-3BU	4x5	Celeron E1200	1.60	512KB	2	1GB	16-in-1	250GB	DVD±RW	GMA 3100	Mod	None		Home Prem	Jul 08
5313-4AU	4x5	Pentium E2180	2.00	1MB	2	*2GB*	16-in-1	320GB	DVD±RW	GMA 3100	Mod	None	Camera	Home Prem	Jul 08
5313-4BU	4x5	Pentium E2180	2.00	1MB	2	*3GB*	16-in-1	500GB	DVD±RW	GMA 3100		None	Camera	Home Prem	Jul 08
5313-4DU	4x5	Pentium E2200	2.20	1MB	2	*2GB*		250GB	DVD±RW	GMA 3100		None		Home Prem	Oct 08
5313-4EU	4x5	Pentium E2200	2.20	1MB	2	*3GB*		320GB	DVD±RW	GMA 3100		None		Home Prem	Oct 08
5313-4CU	4x5	Pentium E2200	2.20	1MB	2	*4GB*	16-in-1	500GB	DVD±RW	GMA 3100		None	Camera	Home Prem	Jul 08
☞ 5313-5CU	4x5	Pentium E5200	2.50	2MB	2	*4GB*	16-in-1	640GB	DVD±RW	GMA 3100		None		Home Prem	Nov 08

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- ***(Select models) Healthcare eyesight protection software detect distance between user and monitor and adjusts monitor brightness based on environment***
- ***(Select models) Lenovo Bright Eye camera and VeriFace face recognition software help control access to your computer by recognizing your face***

Processor	**Intel Celeron Dual-Core Processor E1200** with **dual-core**, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 512KB L2 cache or **Intel Pentium® Dual-Core Processor E2180**, **E2200**, or **E5200** with **dual-core**, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus; *E2180/E2200:* 1MB L2 cache; *E5200:* 2MB L2 cache
Implementation	Processor in FC-LGA6 package in LGA775 socket
Memory	**1GB**, **2GB**, **3GB**, or **4GB std**, 4GB max[8], **PC2-5300 667MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets *Italics:* standard memory in both sockets; no sockets available; *Non-italics:* standard memory in one socket; 1 socket available
Graphics	**Intel Graphics Media Accelerator 3100 (GMA 3100)**, integrated graphics in G31, uses main memory, one 15-pin analog D-sub connector
SATA disk	**160GB**, **250GB**, **320GB**, **500GB**, or **640GB** SATA 3Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7DH
SATA DVD	*Some:* DVD-ROM DL SATA 1.5Gb/s 16X-48X Max[4]
SATA DVD±RW	*Some:* Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors
EIDE controller	One
EIDE cables	None
Diskette drive	None
Media reader	*Some:* 16-in-1 media reader, internal USB 2.0
Chipset	**Intel G31 Express Chipset**; I/O Controller Hub 7 Digital Home (ICH7DH) for SATA 3Gb/s, PCI Express® x1, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O for serial, parallel, keyboard, mouse functions
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports	Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (DB-15)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
Audio	High Definition (HD) audio, ALC662 codec
External speakers	None
Internal speaker	None
Ethernet	10/100 ethernet on planar, Intel 82562GZ (PHY/MAC)
Modem	*Some:* 56K[10] V.92 data/fax soft modem, PCI adapter
Security chip	None
TV tuner	None
Camera	*Some:* Lenovo Bright Eye camera, 0.3-megapixel, fixed focus
Keyboard	104-key antibacterial keyboard (PS/2 connector)
Mouse	Optical Wheel Mouse (USB connector), 400 dpi
Power supply	280 watts, universal, manual switch

Tower

- Black and silver bezel
- 7.1" W X 17.0" D X 15.0" H
- 180mm W X 432mm D X 380mm H
- 21.5 lb (9.75 kg)
- Toolless cover removal
- Toolless disk, optical drive removal
- Toolless adapter retention

Bay ① 5.25", 1.6" high, access, standard optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.0", 1" high, access, 16-in-1 media reader
Bay ④ 3.5", 1" high, no access, standard disk
Bay ⑤ 3.5", 1" high, no access, optional disk

Slot 1: half-length, full-height, PCI Express x1 Ver 1.1
Slot 2: half-length, full-height, PCI Express x16 Ver 1.1
Slot 3: half-length, full-height, 32-bit PCI Ver 2.3 *
Slot 4: half-length, full-height, 32-bit PCI Ver 2.3

* modem in slot in some models

Preloaded operating system[20]

- *Some:* Genuine Windows® Vista® Home Basic 32
- *Some:* Genuine Windows Vista Home Premium 32
- ✧ *5313-3AU/3BU:* Vista Basic logo
- ✧ *Others:* Vista Premium logo

Preloaded applications[5]

- Lenovo® OneKey Recovery
- Lenovo Healthcare Software
- Lenovo Media Studio
- Driver and Application Installation
- Trend Micro™ PC-cillin™ Internet Security 2007
- EarthLink®
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- VeriFace™
- Corel® WinDVD® (DVD, DVD±RW)
- CyberLink Power2Go (DVD, DVD±RW)

Available at these retailers

- lenovo.com
- Fry's

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
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See footnotes for important warranty information

☞ US models announced November 12, 2008; previous models on July 15 or October 22, 2008

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Type-model	Slot x bay	Processor	GHz	L2 cache	Cores	Memory[8]	Media reader	SATA disk	SATA optical	Graphics	Modem	Monitor	Cam-era	Vista preload	Avail date
☞ 5313-1FU	4x5	Core 2 Duo E7200	2.53	3MB	2	*4GB*	16-in-1	640GB[2]	DVD±RW	GMA 3100	None	None		Home Prem	Oct 08
5313-2BU	4x5	Core 2 Quad Q6600	2.40	8MB	4	*4GB*	16-in-1	500GB	DVD±RW	GMA 3100	None	None	Cam	Home Prem	Jul 08
5313-2CU	4x5	Core 2 Quad Q6600	2.40	8MB	4	*4GB*	16-in-1	500GB	Blu-ray	9300 GE	None	None		Home Prem	Jul 08
☞ 5313-2FU	4x5	Core 2 Quad Q6600	2.40	8MB	4	*4GB*	16-in-1	1TB	Blu-ray	9300 GE	None	None		Home Prem	Oct 08

- ***Antibacterial keyboard uses special material on the surface of the keys to restrain bacterial growth***
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- ***(Select models) Healthcare eyesight protection software detect distance between user and monitor and adjusts monitor brightness based on environment***
- ***(Select models) Lenovo Bright Eye camera and VeriFace face recognition software help control access to your computer by recognizing your face***

Processor	**Intel® Core 2 Duo™ Processor E7200** with **dual-core**, Intel 64 Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q6600** with **quad-core** (dual-core on dual-die), Intel 64 Technology, Virtualization Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 8MB L2 cache
Implementation	Processor in FC-LGA6 package in LGA775 socket
Memory	**4GB std,** 4GB max[8], **PC2-5300 667MHz DDR2**, non-parity, dual-channel capable, two 240-pin DIMM sockets *Italics:* standard memory in both sockets; no sockets available
Graphics	*Some:* **Intel Graphics Media Accelerator 3100 (GMA 3100)**, integrated graphics in G31, uses main memory, one 15-pin analog D-sub connector *Some:* **NVIDIA® GeForce® 9300 GE**, PCI Express® x16, 256MB memory, DirectX® 10, TurboCache, PureVideo™ HD technology, S-video out, VGA connector, DVI-I connector, HDCP-compliant
SATA disk	**500GB**, **640GB**, or **1TB**, SATA 3.0Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7DH
SATA DVD±RW	*Some:* Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA Blu-ray™	*Some:* Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, supports HD-DVD playback, DVD and CD recordable
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors
EIDE controller	One
EIDE cables	None
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**Intel G31 Express Chipset**; I/O Controller Hub 7 Digital Home (ICH7DH) for SATA 3Gb/s, PCI Express® x1, PCI 2.3, USB, LPC bus / Winbond® W83627DHG Super I/O for serial, parallel, keyboard, mouse functions
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
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Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
Audio	High Definition (HD) audio, ALC662 codec
External speakers	None
Internal speaker	None
Ethernet	10/100 ethernet on planar, Intel 82562GZ (PHY/MAC)
Modem	None
Security chip	None
TV tuner	None
Camera	*Some:* Lenovo Bright Eye camera, 0.3-megapixel, fixed focus
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Slot 1: half-length, full-height, PCI Express x1 Ver 1.1
Slot 2: half-length, full-height, PCI Express x16 Ver 1.1**
Slot 3: half-length, full-height, 32-bit PCI Ver 2.3
Slot 4: half-length, full-height, 32-bit PCI Ver 2.3

** used in some models

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- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1551)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

☞ US models announced October 22, 2008; previous models on July 15, 2008

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Part number	Slot x bay	Processor	GHz	L2 cache	Cores	Memory[8]	Media reader	SATA disk	SATA optical	Graphics	Monitor	Camera	802.11 wireless	Vista preload	Vista logo	Avail date
57092255	4x5	E5200	2.50	2MB	2	*4GB*	16-in-1	500GB[2]	Blu-ray	GMA 4500			None	Prem 64	Basic	Jan 09
57094704	4x5	E5200	2.50	2MB	2	*4GB*	16-in-1	640GB	DVD±RW	GMA 4500	L222 HD	Camera	None	Prem 64	Basic	Jan 09
☞ 57092262	4x5	Q8200	2.33	4MB	4	*4GB*	16-in-1	1TB	Blu-ray	GMA 4500			11b/g	Prem 64	Basic	Mar 09

- ***Antibacterial keyboard uses special material on the surface of the keys to restrain bacterial growth***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***

Processor	**Intel® Pentium® Dual-Core Processor E5200** with **dual-core**, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB L2 cache or **Intel Core 2 Quad Processor Q8200** with **quad-core** (dual-core on dual-die), Intel 64 Technology, Execute Disable Bit, EIST, 1333MHz system bus, and 4MB L2 cache
Implementation	Processor in FC-LGA6 package in LGA775 socket
Memory	**4GB std**, 4GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 240-pin DIMM sockets *Italics:* standard memory in both sockets; no sockets available
Graphics	**Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in G43, uses main memory, DirectX® 10, one 15-pin analog VGA DB-15 connector
SATA disk	**500GB** , **640GB**, or **1TB** SATA 3Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10
SATA DVD±RW	*Some:* Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA Blu-ray™	*Some:* Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, DVD and CD recordable
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors
EIDE controller	None
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**Intel G43 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 [ICH10] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5147-NW Super I/O
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports	Six USB 2.0, one serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
Audio	High Definition (HD) audio, ALC662 codec
External speakers	None
Internal speaker	None
Ethernet	10/100 ethernet on planar, RealTek® RTL8102E
Wireless	*Some:* 11b/g wireless[4], Broadcom BCM4312, PCIe x1 adapter
Modem	None
Security chip	None
TV tuner	None
Camera	*Some:* Lenovo Bright Eye camera, 0.3-megapixel, fixed focus
Keyboard	104-key antibacterial keyboard (PS/2 connector)
Mouse	Optical Wheel Mouse (USB connector), 400 dpi
Power supply	280 watts, universal, manual switch

Tower

- Black bezel
- 7.1" W X 17.0" D X 15.0" H
- 180mm W X 432mm D X 380mm H
- 21.5 lb (9.75 kg)
- Toolless cover removal
- Toolless disk, optical drive removal
- Toolless adapter retention

Bay ① 5.25", 1.6" high, access, standard optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.0", 1" high, access, 16-in-1 media reader
Bay ④ 3.5", 1" high, no access, standard disk
Bay ⑤ 3.5", 1" high, no access, optional disk

Slot 1: half-length, full-height, PCI Express x16 Ver 2.0
Slot 2: half-length, full-height, PCI Express x1 Ver 2.0 *
Slot 3: half-length, full-height, 32-bit PCI Ver 2.3
Slot 4: half-length, full-height, 32-bit PCI Ver 2.3

* Wireless adapter in slot in some models

Lenovo L222 Wide (HD)

- Widescreen 22-inch flat panel monitor
- Active Matrix TFT LCD screen
- Supports WUXGA 1920x1200 resolution
- High Definition (HD) ready; supports 1080p video
- 16:10 aspect ratio
- 22.0" (559mm) viewable image size (diagonal)
- 300 nits brightness (typical)
- 1000:1 contrast ratio (typical)
- 5ms pixel response time
- Dual video input: one analog D-sub connector and one digital DVI-D connector
- HDCP-compliant
- Ergonomic stand tilts and swivels
- High-gloss black case
- Touch-sensitive control button
- Soundbar with speakers included

Lenovo L222 Wide (HD) Monitor is only bundled with some models

Preloaded operating system[20]
- Genuine Windows® Vista® Home Premium 64

Preloaded applications[5]
- Lenovo® OneKey Recovery
- Driver and Application Installation
- Trend Micro™ PC-cillin™ Internet Security 2008
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Corel® WinDVD® (DVD±RW, Blu-ray)
- CyberLink Power2Go (DVD±RW, Blu-ray)

Available at these retailers
- Newegg®
- TigerDirect

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1551)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

☞ US model announced March 17, 2009; previous models on January 27, 2009

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IdeaCentre™ K220 (5358)

Type-model	Slot x bay	Processor	GHz	L2 cache	Cores	Memory[8]	Media reader	SATA disk	SATA optical	Graphics	Monitor	Camera	802.11 wireless	Vista preload	Vista logo	Avail date
5358-4AU	4x5	E2220	2.40	1MB	2	2GB	16-in-1	250GB[2]	Blu-ray	GMA 4500	None	None		Prem 64	Basic	Jan 09
5358-4BU	4x5	E2220	2.40	1MB	2	*4GB*	16-in-1	640GB	Blu-ray	GMA 4500	None	None		Prem 64	Basic	Jan 09
5358-1FU	4x5	E5200	2.50	2MB	2	*4GB*	16-in-1	500GB	DVD±RW	GMA 4500	None	None		Prem 64	Basic	Jan 09
5358-1BU	4x5	E5200	2.50	2MB	2	*4GB*	16-in-1	640GB	DVD±RW	9300 GE	None	None	11b/g	Prem 64	Prem	Jan 09
5358-2CU	4x5	Q8200	2.33	4MB	4	*4GB*	16-in-1	640GB	DVD±RW	9300 GE	None	None		Prem 64	Prem	Jan 09
5358-2DU	4x5	Q8200	2.33	4MB	4	*4GB*	16-in-1	1TB	Blu-ray	9300 GE	None	None	11b/g	Prem 64	Prem	Jan 09

- ***Antibacterial keyboard uses special material on the surface of the keys to restrain bacterial growth***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***

Processor	**Intel® Pentium® Dual-Core Processor E2220** or **E5200** with **dual-core**, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus; *E2220:* 1MB L2 cache; *E5200:* 2MB L2 cache or **Intel Core™ 2 Quad Processor Q8200** with **quad-core** (dual-core on dual-die), Intel 64 Technology, Execute Disable Bit, EIST, 1333MHz system bus, and 4MB L2 cache
Implementation	Processor in FC-LGA6 package in LGA775 socket
Memory	**2GB** or **4GB std**, 4GB max[8], **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 240-pin DIMM sockets *Italics:* standard memory in both sockets; no sockets available; *Non-italics:* standard memory in one socket; 1 socket available
Graphics	*Some:* **Intel Graphics Media Accelerator 4500 (GMA 4500)**, integrated graphics in G43, uses main memory, DirectX® 10, one 15-pin analog VGA DB-15 connector *Some:* **NVIDIA® GeForce® 9300 GE**, PCI Express® x16, 512MB memory, DirectX® 10, TurboCache, PureVideo™ HD technology, S-video out for TV-out, VGA DB-15 connector, DVI-I connector, HDCP-compliant
SATA disk	**250GB**, **500GB**, **640GB** or **1TB** SATA 3Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10
SATA DVD±RW	*Some:* Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA Blu-ray™	*Some:* Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, DVD and CD recordable
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors
EIDE controller	None
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**Intel G43 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 [ICH10] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5147-NW Super I/O
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports	Six USB 2.0, one serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), *1BU/2CU/2DU:* monitor (VGA DB-15, DVI-I), S-Video out; *Others:* monitor (VGA DB-15)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
Audio	High Definition (HD) audio, ALC662 codec
External speakers	None
Internal speaker	None
Wireless	*Some:* 11b/g wireless[4], Broadcom BCM4312, PCIe x1 adapter
Ethernet	10/100 ethernet on planar, Realtek® RTL8102E
Modem	None
Security chip	None
TV tuner	None
Camera	None
Keyboard	104-key antibacterial keyboard (PS/2 connector)
Mouse	Optical Wheel Mouse (USB connector), 400 dpi
Power supply	280 watts, universal, manual switch

Tower

- Black bezel
- 7.1" W X 17.0" D X 15.0" H
- 180mm W X 432mm D X 380mm H
- 21.5 lb (9.75 kg)
- Toolless cover removal
- Toolless disk, optical drive removal
- Toolless adapter retention

Bay ① 5.25", 1.6" high, access, standard optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.0", 1" high, access, 16-in-1 media reader
Bay ④ 3.5", 1" high, no access, standard disk
Bay ⑤ 3.5", 1" high, no access, optional disk

Slot 1: half-length,full-height, PCI Express x16 Ver 2.0 **
Slot 2: half-length,full-height, PCI Express x1 Ver 2.0 *
Slot 3: half-length,full-height, 32-bit PCI Ver 2.3
Slot 4: half-length,full-height, 32-bit PCI Ver 2.3

* Wireless adapter in slot in some models
** used in some models

Preloaded operating system[20]
- Genuine Windows® Vista® Home Premium 64

Preloaded applications[5]
- Lenovo® OneKey Recovery
- Driver and Application Installation
- Trend Micro™ PC-cillin™ Internet Security 2008
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Corel® WinDVD® (DVD±RW, Blu-ray)
- CyberLink Power2Go (DVD±RW, Blu-ray)

Available at these retailers
- lenovo.com
- Fry's

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1551)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced January 13, 2009

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(KW2-2) March 2009

	Part number	Slot x bay	Processor	GHz	L2 cache	Cores	Memory[8]	DIMM capacity	Media reader	SATA disk	SATA optical	Graphics	TV tuner	Remote control	Cam-era	Vista preload	Avail date
	57093697	4x5	E2220	2.40	1MB	2	*5GB*	(2, 2, 1)	16-in-1	500GB[2]	DVD±RW	GMA 3100	None	None	None	Prem 64	Jan 09
☞	57093706	4x5	E5200	2.50	2MB	2	*6GB*	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA 3100	None	None	None	Prem 64	Mar09
	57093729	4x5	E7300	2.66	3MB	2	*8GB*	(2, 2, 2, 2)	16-in-1	1TB	DVD±RW	GMA 3100	None	None	None	Prem 64	Jan 09
☞	57094418	4x5	Q8200	2.33	4MB	4	*6GB*	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA 3100	None	None	None	Prem 64	Mar09
☞	57093719	4x5	Q8200	2.33	4MB	4	*8GB*	(2, 2, 2, 2)	16-in-1	1TB	DVD±RW	GMA 3100	None	None	None	Prem 64	Mar09

- ***Antibacterial keyboard uses special material on the surface of the keys to restrain bacterial growth***
- ***Lenovo® Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***

Processor	**Intel® Pentium® Processor E2220** or **E5200** with **dual-core**, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus; *E2220:* 1MB L2 cache; *E5200:* 2MB L2 cache or **Intel Core 2 Duo™ Processor E7300** with **dual-core**, Intel 64 Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q8200** with **quad-core** (dual-core on dual-die), Intel 64 Technology, Execute Disable Bit, EIST, 1333MHz system bus, and 4MB L2 cache
Implementation	Processor in FC-LGA6 package in LGA775 socket
Memory	**5GB**, **6GB**, or **8GB std,** 8GB max[8], **PC2-5300 667MHz DDR2**, non-parity, dual-channel capable, four 240-pin DIMM sockets
Graphics	**Intel Graphics Media Accelerator 3100 (GMA 3100)**, integrated graphics in G33, uses main memory, one 15-pin analog VGA DB-15 connector
SATA disk	**500GB** , **640GB**, or **1TB**, SATA 3.0Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH9DH
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors
EIDE controller	None
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**Intel G33 Express Chipset** (PCI Express® x16), I/O Controller Hub 9 Digital Home [ICH9DH] (SATA 3.0Gb/s support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports	Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm), SPDIF-out
Audio	High Definition (HD) audio, ADI1988 codec
External speakers	None
Internal speaker	None
Ethernet	Gigabit ethernet on planar, Intel 82256DC
Wireless	None
Modem	None
Security chip	None
TV tuner	None
Remote control	None
Camera	None
Keyboard	104-key anti-bacterial keyboard (PS/2 connector)
Mouse	Optical Wheel Mouse (USB connector), 400 dpi
Power supply	280 watts, universal, manual switch

Tower

- Black bezel
- 7.1" W X 17.0" D X 15.0" H
- 180mm W X 432mm D X 380mm H
- 21.5 lb (9.75 kg)
- Toolless cover removal
- Toolless disk, optical drive removal
- Toolless adapter retention

Bay ①	5.25",	1.6" high, access,	standard optical
Bay ②	5.25",	1.6" high, access,	open
Bay ③	3.0",	1" high, access,	16-in-1 media reader
Bay ④	3.5",	1" high, no access,	standard disk
Bay ⑤	3.5",	1" high, no access,	optional disk

Slot 1: half-length, full-height, PCI Express x16 Ver 1.1
Slot 2: half-length, full-height, PCI Express x1 Ver 1.1
Slot 3: half-length, full-height, PCI Express x1 Ver 1.1
Slot 4: half-length, full-height, 32-bit PCI Ver 2.3

Available at these retailers
- TigerDirect

Preloaded operating system[20]
- Genuine Windows® Vista® Home Premium 64
- ✧Vista Basic logo

Preloaded applications[5]
- Lenovo® OneKey Recovery
- Driver and Application Installation
- Trend Micro™ PC-cillin™ Internet Security 2007
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Corel® WinDVD® (DVD±RW)
- CyberLink Power2Go (DVD±RW)

Limited Warranty[1]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (43R8882)
- **24x7[14] toll-free support for warranty issues during the warranty period[1] via 877-453-6686**

See footnotes for important warranty information

☞ US models announced March 17, 2009; previous models on February 24, 2009

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IdeaCentre™ K230 (5359)

Type-model	Slot x bay	Processor	GHz	L2 cache	Cores	Memory[8]	DIMM capacity	Media reader	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Vista preload	Avail date
5359-1BU	4x5	E2220	2.40	1MB	2	5GB	(2, 2, 1)	16-in-1	500GB[2]	DVD±RW	GMA 3100				Prem 64	Jan 09
5359-2EU	4x5	E5200	2.50	2MB	2	6GB	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA 3100				Prem 64	Jan 09
5359-2BU	4x5	E5200	2.50	2MB	2	6GB	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA 3100				Prem 64	Jan 09
5359-3EU	4x5	E7300	2.66	3MB	2	6GB	(2, 2, 2)	16-in-1	1TB	DVD±RW	GMA 3100			11b/g	Prem 64	Jan 09
5359-3AU	4x5	E7400	2.80	3MB	2	6GB	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA 3100				Prem 64	Jan 09
5359-4CU	4x5	Q8200	2.33	4MB	4	6GB	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA 3100				Prem 64	Jan 09
5359-4DU	4x5	Q8200	2.33	4MB	4	8GB	(2, 2, 2, 2)	16-in-1	1TB	DVD±RW	9300 GE			11b/g	Prem 64	Jan 09
☞ 5359-4GU	4x5	Q8200	2.33	4MB	4	6GB	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA 3100				Prem 64	Feb 09
5359-5AU	4x5	Q9400	2.66	6MB	4	8GB	(2, 2, 2, 2)	16-in-1	1TB	Blu-ray	9300 GE	TV	Remote	11b/g	Prem 64	Jan 09

- ***Antibacterial keyboard uses special material on the surface of the keys to restrain bacterial growth***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***

Processor	**Intel® Pentium® Processor E2220** or **E5200** with **dual-core**, 800MHz system bus; *E2220:* 1MB L2 cache; *E5200:* 2MB L2 cache or **Intel Core™ 2 Duo Processor E7300** or **E7400** with **dual-core** 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q8200** or **Q9400** with **quad-core** (dual-core on dual-die), 1333MHz system bus; *Q8200:* 4MB L2 cache; *Q9400:* 6MB L2 cache
Implementation	Processor in FC-LGA6 package in LGA775 socket
Memory	**5GB**, **6GB**, or **8GB std**, 8GB max[8], **PC2-5300 667MHz DDR2**, non-parity, dual-channel capable, four 240-pin DIMM sockets
Graphics	*Some:* **Intel Graphics Media Accelerator 3100 (GMA 3100)**, integrated graphics in G33, uses main memory, one 15-pin analog VGA DB-15 connector *Some:* **NVIDIA® GeForce® 9300 GE**, PCI Express® x16, 512MB memory, DirectX® 10, TurboCache, PureVideo™ HD technology, S-video out for TV-out, VGA DB-15 connector, DVI-I connector, HDCP-compliant
SATA disk	**500GB**, **640GB**, or **1TB** SATA 3Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH9DH
SATA DVD±RW	*Some:* Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA Blu-ray™	*Some:* Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, DVD and CD recordable
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors
EIDE controller	None
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**Intel G33 Express Chipset** (PCI Express® x16), I/O Controller Hub 9 Digital Home [ICH9DH] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports	Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), *4DU/5AU:* monitor (VGA DB-15, DVI-I), S-Video out; *Others:* monitor (VGA DB-15)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm), SPDIF-out
Audio	High Definition (HD) audio, ADI1988 codec
External speakers	None
Internal speaker	None
Ethernet	Gigabit ethernet on planar, Intel 82256GC
Wireless	*Some:* 11b/g wireless[4], Broadcom® BCM4312, PCIe x1 adapter
Modem	None
Security chip	None
TV tuner	*Some:* Hybrid tuner, support analog (NTSC) and digital (ATSC) signal , Hauppauge WinTV-HVR-1250,PCIe x 1
Remote control	*Some:* Philips® Vista MCE remote control (40-button), IR receiver via USB
Camera	None
Keyboard	104-key antibacterial keyboard (PS/2 connector)
Mouse	Optical Wheel Mouse (USB connector), 400 dpi
Power supply	280 watts, universal, manual switch

Tower

- Black color bezel
- 7.1" W X 17.0" D X 15.0" H
- 180mm W X 432mm D X 380mm H
- 21.5 lb (9.75 kg)
- Toolless cover removal
- Toolless disk, optical drive removal
- Toolless adapter retention

Bay ① 5.25", 1.6" high, access, standard optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.0", 1" high, access, 16-in-1 media reader
Bay ④ 3.5", 1" high, no access, standard disk
Bay ⑤ 3.5", 1" high, no access, optional disk

Slot 1: half-length,full-height, PCI Express x16 Ver 1.1 **
Slot 2: half-length,full-height, PCI Express x1 Ver 1.1 *
Slot 3: half-length,full-height, PCI Express x1 Ver 1.1 *
Slot 4: half-length,full-height, 32-bit PCI Ver 2.3

* Wireless adapter or TV tuner in slot in some models
** used in some models

Available at these retailers
- lenovo.com
- Fry's

Preloaded operating system[20]
- Genuine Windows® Vista® Home Premium 64
- ✧ *5359-4DU/5AU:* Vista Premium logo
- ✧ *Others:* Vista Basic logo

Preloaded applications[5]
- Lenovo® OneKey Recovery
- Driver and Application Installation
- Trend Micro™ PC-cillin™ Internet Security 2008
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Corel® WinDVD® (DVD±RW, Blu-ray)
- CyberLink Power2Go (DVD±RW, Blu-ray)

Limited Warranty[1]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (43R8882)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

☞ US model announced February 24, 2009; previous models on January 13, 2009

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IdeaCentre™ K230 (5359) - August 2009

Type-model	Slot x bay	Processor	GHz	L2 cache	Cores	Memory[8]	DIMM capacity	Media reader	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Vista preload	Avail date
5359-2HU	4x5	E5200	2.50	2MB	2	6GB	(2, 2, 2)	16-in-1	500GB[2]	DVD±RW	GMA 3100				Prem 64	Aug 09
5359-3NU	4x5	E7500	2.93	3MB	2	6GB	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA 3100			11b/g	Prem 64	Aug 09
5359-3JU	4x5	E7500	2.93	3MB	2	6GB	(2, 2, 2)	16-in-1	500GB	DVD±RW	GMA 3100				Prem 64	Aug 09
5359-3LU	4x5	E7500	2.93	3MB	2	8GB	(2, 2, 2, 2)	16-in-1	640GB	DVD±RW	GMA 3100				Prem 64	Aug 09
5359-4PU	4x5	Q8200	2.33	4MB	4	6GB	(2, 2, 2)	16-in-1	640GB	DVD±RW	GMA 3100	TV	Remote	11b/g	Prem 64	Aug 09
5359-4QU	4x5	Q8200	2.33	4MB	4	8GB	(2, 2, 2, 2)	16-in-1	1TB	DVD±RW	9300 GE			11b/g	Prem 64	Aug 09

- ***Antibacterial keyboard uses special material on the surface of the keys to restrain bacterial growth***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***

Processor	**Intel® Pentium® Processor E5200** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7500** with **dual-core** 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q8200** with **quad-core** (dual-core on dual-die), 1333MHz system bus, and 4MB L2 cache
Implementation	Processor in FC-LGA6 package in LGA775 socket
Memory	**6GB** or **8GB std**, 8GB max[8], **PC2-5300 667MHz DDR2**, non-parity, dual-channel capable, four 240-pin DIMM sockets
Graphics	*Some:* **Intel Graphics Media Accelerator 3100 (GMA 3100)**, integrated graphics in G33, uses main memory, one 15-pin analog VGA DB-15 connector *Some:* **NVIDIA® GeForce® 9300 GE**, PCI Express® x16, 512MB memory, DirectX® 10, TurboCache, PureVideo™ HD technology, S-video out for TV-out, VGA DB-15 connector, DVI-I connector, HDCP-compliant
SATA disk	**500GB**, **640GB**, or **1TB** SATA 3Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH9DH
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA cables	Two SATA cables (each 1-drop to device), four SATA connectors
EIDE controller	None
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**Intel G33 Express Chipset** (PCI Express® x16), I/O Controller Hub 9 Digital Home [ICH9DH] (SATA 3.0Gb/s, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5617 Super I/O
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports	Four USB 2.0, one serial (9-pin), parallel (25-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), *4QU:* monitor (VGA DB-15, DVI-I), S-Video out; *Others:* monitor (VGA DB-15)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm), SPDIF-out
Audio	High Definition (HD) audio, ADI1988 codec
External speakers	None
Internal speaker	None
Ethernet	Gigabit ethernet on planar, Intel 82256GC
Wireless	*Some:* 11b/g wireless[4], Broadcom® BCM4312, PCIe x1 adapter
Modem	None
Security chip	None
TV tuner	*Some:* Hybrid tuner, support analog (NTSC) and digital (ATSC) signal , Hauppauge WinTV-HVR-1250,PCIe x 1
Remote control	*Some:* Philips® Vista MCE remote control (40-button), IR receiver via USB
Camera	None
Keyboard	104-key antibacterial keyboard (PS/2 connector)
Mouse	Optical Wheel Mouse (USB connector), 400 dpi
Power supply	280 watts, universal, manual switch

Tower

- Black color bezel
- 7.1" W X 17.0" D X 15.0" H
- 180mm W X 432mm D X 380mm H
- 21.5 lb (9.75 kg)
- Toolless cover removal
- Toolless disk, optical drive removal
- Toolless adapter retention

Bay ① 5.25", 1.6" high, access, standard optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.0", 1" high, access, 16-in-1 media reader
Bay ④ 3.5", 1" high, no access, standard disk
Bay ⑤ 3.5", 1" high, no access, optional disk

Slot 1: half-length,full-height, PCI Express x16 Ver 1.1 **
Slot 2: half-length,full-height, PCI Express x1 Ver 1.1 *
Slot 3: half-length,full-height, PCI Express x1 Ver 1.1 *
Slot 4: half-length,full-height, 32-bit PCI Ver 2.3

* Wireless adapter or TV tuner in slot in some models
** used in some models

Preloaded operating system[20]
- Genuine Windows® Vista® Home Premium 64
- ✧ *5359-4QU:* Vista Premium logo
- ✧ *Others:* Vista Basic logo

Preloaded applications[5]
- Lenovo® OneKey Recovery
- Driver and Application Installation
- Trend Micro™ PC-cillin™ Internet Security 2008
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Corel® WinDVD® (DVD±RW)
- CyberLink Power2Go (DVD±RW)

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (43R8882)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced August 19, 2009

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ideacentre

Lenovo IdeaCentre K300

Lenovo IdeaCentre K300

Lenovo IdeaCentre K300
(monitor not included)

Lenovo IdeaCentre K300
Power control switch

Lenovo IdeaCentre K300
toolless disk drive removal

Lenovo IdeaCentre K300
top button

IdeaCentre™ K300 (5316) - Windows 7

Type-model	Slot x bay	Pro-cessor	GHz	L2 cache	Cores	Memory[8]	DIMM capacity	Media reader	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Win 7 preload	Avail date
5316-1AU	4x5	Q8300	2.50	4MB	4	*6GB*	(2, 2, 2)	16-in-1	640GB[2]	DVD±RW	GMA X4500				Prem 64	Oct 09
5316-1BU	4x5	Q8300	2.50	4MB	4	*6GB*	(2, 2, 2)	16-in-1	640GB	DVD±RW	HD4350	TV	Remote	11b/g[11]	Prem 64	Oct 09
5316-1GU	4x5	Q8300	2.50	4MB	4	*6GB*	(2, 2, 2)	16-in-1	640GB	Blu-ray	HD4650				Prem 64	Oct 09
5316-1CU	4x5	Q8300	2.50	4MB	4	*8GB*	(2, 2, 2, 2)	16-in-1	1TB	DVD±RW	HD4650			11b/g	Prem 64	Oct 09
5316-2AU	4x5	E5300	2.60	2MB	2	*3GB*	(1, 2)	16-in-1	320GB	DVD±RW	GMA X4500				Prem 64	Oct 09
5316-2CU	4x5	E7500	2.93	3MB	2	*4GB*	(2, 2)	16-in-1	640GB	DVD±RW	GMA X4500				Prem 64	Oct 09
5316-1EU	4x5	Q8300	2.50	4MB	4	*8GB*	(2, 2, 2, 2)	16-in-1	1TB	DVD±RW	HD4650	TV	Remote		Prem 64	Oct 09

- ***Power control switch on front to adjust power and energy for three modes (cool, auto, and turbo)***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***

Processor	**Intel® Pentium® Processor E5300** with **dual-core**, Intel 64 Technology, Execute Disable Bit, EIST, 800MHz system bus, and 2MB L2 cache or **Intel Core 2 Duo™ Processor E7500** with **dual-core**, Intel 64 Technology, Execute Disable Bit, EIST, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q8300** with **quad-core** (dual-core on dual-die), Intel 64 Technology, Execute Disable Bit, EIST, 1333MHz system bus, and 4MB L2 cache
Implementation	Processor in FC-LGA6 package in LGA775 socket
Memory	**3GB**, **4GB**, **6GB**, or **8GB std**, 8GB max[8], dual-channel capable, **PC3-8500 1066MHz DDR3**, non-parity, four 240-pin DIMM sockets
Graphics	*Some:* **Intel Graphics Media Accelerator X4500 (GMA X4500)**, integrated graphics in G43, uses main memory, DirectX® 10, one 15-pin analog VGA DB-15 connector *Some:* **ATI™ Radeon™ HD 4350**, PCI Express® x16, **512MB** memory, DirectX® 10, ATI Avivo™ HD, VGA, DVI-I, HDCP-compliant *Some:* **ATI™ Radeon™ HD 4650**, PCI Express® x16, **1GB** memory, DirectX® 10, ATI Avivo™ HD, VGA, HDMI, DisplayPort, HDCP-compliant

Tower

- Black bezel
- 7.09" W X 17.32" D X 15.35" H
- 180mm W X 440mm D X 390mm H
- 24.6 lb (11.2 kg)
- Toolless cover removal
- Toolless disk, optical drive removal
- Toolless adapter retention

Bay ① 5.25", 1.6" high, access, standard optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.0", 1" high, access, 16-in-1 media reader
Bay ④ 3.5", 1" high, no access, standard disk
Bay ⑤ 3.5", 1" high, no access, optional disk

Slot 1: half-length, full-height, PCI Express x16 Ver 2.0 **
Slot 2: half-length, full-height, PCI Express x1 Ver 2.0 *
Slot 3: half-length, full-height, PCI Express x1 Ver 2.0
Slot 4: half-length, full-height, 32-bit PCI Ver 2.3

* Wireless adapter in slot in some models
** Graphics adapter in slot in some models

SATA disk	**320GB**, **640GB**, or **1TB** SATA 3Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH10R, RAID 0 support
SATA DVD±RW	*Some:* Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA Blu-ray™	*Some:* Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, DVD and CD recordable
SATA cables	Two SATA cables (each 1-drop to device), five SATA connectors
EIDE controller	None
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**Intel G43 Express Chipset** (PCI Express® 2.0 x16), I/O Controller Hub 10 RAID [ICH10R] (SATA 3.0Gb/s with RAID 0 support, PCI Express x1, ethernet MAC, PCI 2.3, USB, LPC bus), SMSC® SCH5147-NW Super I/O
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports	Six USB 2.0, one serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), *HD 4650 models:* monitor (VGA DB-15, HDMI, DisplayPort) *HD 4350 models:* monitor (VGA DB-15, DVI-I) *Others:* monitor (VGA DB-15)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
Audio	High Definition (HD) audio, ALC662 codec
External speakers	None
Internal speaker	None
Wireless	*Some:* 11b/g wireless[4], Broadcom BCM4312, PCIe x1 adapter
Ethernet	10/100 ethernet on planar, Realtek® RTL8102E
Modem	None
Security chip	None
TV tuner	*Some:* Hybrid tuner, support analog (NTSC) and digital (ATSC) signal ,,PCIe x 1
Remote control	*Some:* Philips® Win7 MCE remote control (40-button), IR receiver via USB
Camera	None
Keyboard	Full-size keyboard (PS/2 connector), Fn keys, black
Mouse	Optical Wheel Mouse (USB connector), 1000 dpi, black
Power supply	280 watts, universal, manual switch

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[5] (only some listed)
- Lenovo® OneKey Recovery
- Driver and Application Installation
- McAfee VirusScan® Plus (30 days of virus defi nitions)
- Lenovo Power Dial
- Lenovo Healthcare Software
- Corel® WinDVD® (Blu-ray)
- CyberLink Power2Go (DVD±RW, Blu-ray)

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1551)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced October 22, 2009

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(TNA1-1) October 2009

IdeaCentre™ K305 (0890) - Windows 7

Type-model	Slot x bay	Processor	GHz	Memory[8]	DIMM capacity	Media reader	SATA disk	SATA optical	Integrated graphics	TV tuner	Remote control	802.11 wireless	Win 7 preload	Avail date
0890-1BU	4x5	Athlon II X2 215	2.70	*4GB*	(2, 2)	16-in-1	320GB[2]	DVD±RW	Radeon 3000	None	None	None	Prem 64	Mar 10
0890-1AU	4x5	Phenom II X4 810	2.60	*6GB*	(2, 2, 2)	16-in-1	640GB	DVD±RW	Radeon 3000	None	None	None	Prem 64	Mar 10

- ***Power control switch on front to adjust power and energy for three modes (cool, auto, and turbo)***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***

Processor	**AMD® Athlon™ II X2 Processor 215** with **dual-core**, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 technology, integrated DDR3 memory controller, and 1MB L2 cache (512KB per core) **AMD Phenom™ II X4 Processor 810** with **quad-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 technology, integrated DDR3 memory controller, 2MB L2 cache (512KB per core), and 4MB shared L3 cache
Implementation	Processor in Socket AM3
Memory	**4GB** or **6GB std**, 8GB max[8], dual-channel capable, **PC3-8500 1066MHz DDR3**, non-parity, four 240-pin DIMM sockets
Graphics	**ATI™ Radeon™ 3000**, integrated graphics in 760G, uses main memory, DirectX® 10, ATI Avivo™, SurroundView™, one analog VGA DB-15 connector
SATA disk	**320GB** or **640GB** SATA 3Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in SB710, RAID 0 support
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA Blu-ray™	None
SATA cables	Two SATA cables (each 1-drop to device), five SATA connectors
EIDE controller	None
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**AMD 760G Chipset** with HyperTransport 3.0 and PCI Express® 2.0 support; SB710 south bridge
Front ports	Two USB 2.0, microphone (stereo, 3.5mm), headphone (stereo, 3.5mm)
Rear ports	Six USB 2.0, one serial (9-pin), keyboard (PS/2), mouse (PS/2), ethernet (RJ-45), monitor (VGA DB-15)
Rear audio ports	Line-in (stereo, 3.5mm), line-out (stereo, 3.5mm), microphone-in (stereo, 3.5mm)
Audio	High Definition (HD) audio, ALC662 codec
External speakers	None
Internal speaker	None
Wireless	None
Ethernet	10/100 ethernet on planar, Marvell® 88E8040
Modem	None
Security chip	None
TV tuner	None
Remote control	None
Camera	None
Keyboard	Full-size keyboard (PS/2 connector), Fn keys, black
Mouse	Optical Wheel Mouse (USB connector), 1000 dpi, black
Power supply	280 watts, universal, manual switch

Tower

- Black bezel
- 7.09" W X 17.32" D X 15.35" H
- 180mm W X 440mm D X 390mm H
- 24.6 lb (11.2 kg)
- Toolless cover removal
- Toolless disk, optical drive removal
- Toolless adapter retention

Bay ①	5.25",	1.6" high, access,	standard optical
Bay ②	5.25",	1.6" high, access,	open
Bay ③	3.0",	1" high, access,	16-in-1 media reader
Bay ④	3.5",	1" high, no access,	standard disk
Bay ⑤	3.5",	1" high, no access,	optional disk

Slot 1: half-length, full-height, PCI Express x16 Ver 2.0
Slot 2: half-length, full-height, PCI Express x1 Ver 2.0
Slot 3: half-length, full-height, PCI Express x1 Ver 2.0
Slot 4: half-length, full-height, 32-bit PCI Ver 2.3

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[5] (only some listed)
- Lenovo® OneKey Recovery
- Driver and Application Installation
- McAfee® VirusScan® Plus (30 days of virus definitions)
- Lenovo Power Dial
- Lenovo Healthcare Software
- Windows Live™ Essential
- Microsoft® Office 2007 Trial (60-day)
- Roxio® BackOnTrack™
- CyberLink Power2Go (DVD±RW)

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1550)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1551)
  - **1-year Post warraty, Onsite Repair 9x5 Next Business Day** (78Y1557)
- **24x7[14] toll-free support for warranty issues during the warranty period[1] via 877-453-6686**

See footnotes for important warranty information
US models announced March 24, 2010

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IdeaCentre™ K320 (3019) - Windows 7

Type-model	Slot x bay	Pro-cessor	GHz	Max turbo (GHz)	L2 cache	Cores	Memory[8]	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Win 7 preload	Avail date
3019-1AU	4x5	i3-530	2.93		4MB	2	2GBx3	640GB[2]	DVD±RW	Intel HD				Prem 64	Jan 10
3019-1BU	4x5	i5-750	2.66	3.20	8MB	4	2GBx3	640GB	DVD±RW	GeForce 310	TV	Remote	11b/g[11]	Prem 64	Jan 10
3019-1CU	4x5	i7-860	2.80	3.46	8MB	4	2GBx4	1TB	Blu-ray	HD4650	TV	Remote	11b/g	Prem 64	Jan 10
☞ 3019-1LU	4x5	i7-860	2.80	3.46	8MB	4	2GBx4	1TB	DVD±RW	GeForce GT 320			11b/g/n[28]	Prem 64	Sep 10
☞ 3019-2GU	4x5	i3-550	3.20		4MB	2	2GBx3	1TB	DVD±RW	Intel HD				Prem 64	Sep 10

- ***Power control switch on front to adjust power and energy for three modes (cool, auto, and turbo) [except 3019-2GU]***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***

Processor	**Intel® Core™ i3 Processor i3-530** or **i3-550** with **dual-core**, Intel 64, Hyper-Threading Technology, integrated 1333MHz dual-channel DDR3 memory controller, 4MB cache or **Intel Core i5 Processor i5-750** with **quad-core**,Intel 64, Turbo Boost Technology (up to 3.20 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache or **Intel Core i7 Processor i7-860** with **quad-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology (up to 3.46 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache
Implementation	Processor in LGA1156 socket
Memory	**6GB** or **8GB std**, 8GB max[8], dual-channel capable, **PC3-8500 1066MHz DDR3**, non-parity, four 240-pin DIMM sockets
Graphics	*Some:* **Intel HD Graphics**, integrated graphics in processor, uses main memory, DirectX® 10, one 15-pin analog VGA DB-15 connector, one HDMI connector, HDCP *Some:* **NVIDIA® GeForce® 310**, PCI Express® x16, **512MB**, DirectX 10.1, NVIDIA PureVideo®, NVIDIA CUDA™, one analog VGA DB-15 connector, one HDMI connector, HDCP *Some:* **NVIDIA GeForce GT 320**, PCI Express x16, **1GB** memory, DirectX 10.1, NVIDIA PureVideo, NVIDIA CUDA, one analog VGA DB-15 connector, one HDMI connector, HDCP *Some:* **ATI™ Radeon™ HD 4650**, PCI Express x16, **1GB** memory, DirectX 10.1, ATI Avivo™ HD, one analog VGA DB-15 connector, one HDMI connector, one DisplayPort™ connector, HDCP
SATA disk	**640GB** or **1TB,** SATA 3Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset, RAID 0 support
SATA optical	*Some:* Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive *Some:* Blu-ray™ Disc reader (no Blu-ray media burning), BD-ROM, DVD and CD recordable
SATA cables	Two SATA cables (each 1-drop to device), five SATA connectors
EIDE controller	None
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**Intel H57 Express Chipset**
Front ports	Two USB 2.0, microphone (3.5mm), headphone (3.5mm)
Rear ports	Six USB 2.0, keyboard (PS/2), ethernet (RJ-45), *HD4650 models:* VGA DB-15, HDMI, and DisplayPort *Others:* VGA DB-15 and HDMI
Rear audio ports	Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm), S/PDIF-out
Audio	High Definition (HD) audio, ALC888S codec
External speakers	None
Internal speaker	None
Wireless	*Some:* 11b/g wireless[4], Broadcom BCM4312, PCIe x1 adapter *Some:* 11b/g/n wireless[4], Atheros® chip, PCIe x1 adapter
Ethernet	Gigabit ethernet on planar, Intel 82578DC
Modem	None
Security chip	None
TV tuner	*Some:* Hybrid tuner, support analog (NTSC) and digital (ATSC) signal, PCIe x 1
Remote control	*Some:* Philips® Win7 MCE remote control (40-button), IR receiver via USB
Camera	None
Keyboard	Full-size keyboard (PS/2 connector), Fn keys, black
Mouse	Optical Wheel Mouse (USB connector), 1000 dpi, black
Power supply	280 watts, universal, manual switch

Tower

- Black bezel
- 7.09" W X 17.32" D X 15.35" H
- 180mm W X 440mm D X 390mm H
- 24.6 lb (11.2 kg)
- Toolless cover removal
- Toolless disk, optical drive removal
- Toolless adapter retention

Bay ①	5.25", 1.6" high,	access,	standard optical
Bay ②	5.25", 1.6" high,	access,	open
Bay ③	3.0", 1" high,	access,	16-in-1 media reader
Bay ④	3.5", 1" high,	no access,	standard disk
Bay ⑤	3.5", 1" high,	no access,	optional disk

Slot 1: half-length,full-height, PCI Express x16 Ver 2.0 **
Slot 2: half-length,full-height, PCI Express x1 Ver 2.0 *
Slot 3: half-length,full-height, PCI Express x1 Ver 2.0 *
Slot 4: half-length,full-height, 32-bit PCI Ver 2.3

* Wireless adapter or TV tuner in slot in some models
** Graphics adapter in slot in some models

3019-2GU does not have power control switch

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[5] (only some listed)
- Lenovo® OneKey Recovery
- Driver and Application Installation
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Lenovo Power Dial*
- Corel® WinDVD® (Blu-ray)
- CyberLink Power2Go* (DVD±RW, Blu-ray)

* 3019-2GU does not have those softwares

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1550)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1551)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

☞ US models announced September 8, 2010, previous models on February 3, 2010

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IdeaCentre™ K320 (3019) - Windows 7 (web only models)

Type-model	Slot x bay	Pro-cessor	GHz	L2 cache	Cores	Memory[8]	DIMM capacity	Media reader	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Win 7 preload	Avail date
3019-1DU	4x5	i3-530	2.93	4MB	2	*4GB*	(2, 2)	16-in-1	500GB[2]	DVD±RW	Intel HD	None	None	None	Prem 64	Apr 10
3019-1EU	4x5	i5-750	2.66	8MB	4	*4GB*	(2, 2)	16-in-1	640GB	DVD±RW	GF 310	None	None	None	Prem 64	Apr 10

- ***Power control switch on front to adjust power and energy for three modes (cool, auto, and turbo)***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***

Processor	**Intel® Core™ i3 Processor i3-530** with **dual-core**, Intel 64, Hyper-Threading Technology, integrated 1333MHz dual-channel DDR3 memory controller, 4MB cache or **Intel Core i5 Processor i5-750** with **quad-core**, Intel 64, Turbo Boost Technology (up to 3.20 GHz at max turbo mode), integrated 1333MHz dual-channel DDR3 memory controller, 8MB cache
Implementation	Processor in LGA1156 socket
Memory	**4GB std**, 8GB max[8], dual-channel capable, **PC3-8500 1066MHz DDR3**, non-parity, four 240-pin DIMM sockets
Graphics	*Some:* **Intel HD Graphics**, integrated graphics in processor, uses main memory, DirectX® 10, one 15-pin analog VGA DB-15 connector, one HDMI connector, HDCP *Some:* **NVIDIA® GeForce® 310**, PCI Express® x16, **512MB**, DirectX 10.1, NVIDIA PureVideo®, NVIDIA CUDA™, one analog VGA DB-15 connector, one HDMI connector, HDCP
SATA disk	**500GB** or **640GB,** SATA 3Gb/s, 7200 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in chipset, RAID 0 support
SATA DVD±RW	Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive
SATA cables	Two SATA cables (each 1-drop to device), five SATA connectors
EIDE controller	None
Diskette drive	None
Media reader	16-in-1 media reader, internal USB 2.0
Chipset	**Intel H57 Express Chipset**
Front ports	Two USB 2.0, microphone (3.5mm), headphone (3.5mm)
Rear ports	Six USB 2.0, keyboard (PS/2), ethernet (RJ-45), monitor (VGA DB-15, HDMI)
Rear audio ports	Line-in (3.5mm), line-out (3.5mm), microphone-in (3.5mm), S/PDIF-out
Audio	High Definition (HD) audio, ALC888S codec
External speakers	None
Internal speaker	None
Wireless	None
Ethernet	Gigabit ethernet on planar, Intel 82578DC
Modem	None
Security chip	None
TV tuner	None
Remote control	None
Camera	None
Keyboard	Full-size keyboard (PS/2 connector), Fn keys, black
Mouse	Optical Wheel Mouse (USB connector), 1000 dpi, black
Power supply	280 watts, universal, manual switch

Tower

- Black bezel
- 7.09" W X 17.32" D X 15.35" H
- 180mm W X 440mm D X 390mm H
- 24.6 lb (11.2 kg)
- Toolless cover removal
- Toolless disk, optical drive removal
- Toolless adapter retention

Bay ① 5.25", 1.6" high, access, standard optical
Bay ② 5.25", 1.6" high, access, open
Bay ③ 3.0", 1" high, access, 16-in-1 media reader
Bay ④ 3.5", 1" high, no access, standard disk
Bay ⑤ 3.5", 1" high, no access, optional disk

Slot 1: half-length, full-height, PCI Express x16 Ver 2.0
Slot 2: half-length, full-height, PCI Express x1 Ver 2.0
Slot 3: half-length, full-height, PCI Express x1 Ver 2.0
Slot 4: half-length, full-height, 32-bit PCI Ver 2.3

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[5] (only some listed)
- Lenovo® OneKey Recovery
- Driver and Application Installation
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Lenovo Power Dial
- Lenovo Healthcare Software
- CyberLink Power2Go (DVD±RW)

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (45K2147)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (45J9079)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced April 7, 2010

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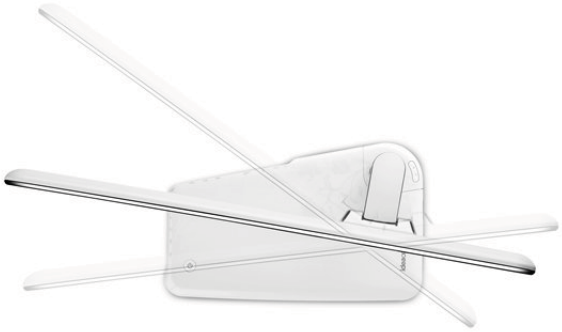
Lenovo IdeaCentre A300

Lenovo IdeaCentre A300

Lenovo IdeaCentre A300



Lenovo IdeaCentre A300

Lenovo IdeaCentre A300

Lenovo IdeaCentre A300
Wireless keyboard and mouse

Type-model	Proc-essor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	External optical	PCIe Mini Card 802.11	TV tuner	Remote control	Bluetooth	KBD/ Mouse	Win7 preload	Avail date
4018-1DU	T4400	2.20	*3GB*	21.5" WUXGA	0.3M	GMA 4500MHD	320GB[8]	None	11b/g/n[28]		None	Bluetooth	BT/BT	Prem 64	Mar 10
4018-1EU	T6600	2.20	*4GB*	21.5" WUXGA	0.3M	GMA 4500MHD	500GB	None	11b/g/n	TV	None	Bluetooth	BT/BT	Prem 64	Mar 10

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***

Processor	**Intel® Pentium® Processor T4400** with **dual-core**, 800MHz system bus, and 1MB L2 cache or **Intel Core™ 2 Duo processor T6600** with **dual-core**, 800MHz system bus, and 2MB L2 cache
Memory	**3GB** or **4GB** std / 4GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available
External DVD±RW	None
SATA disk	**320GB** or **500GB**, SATA 3.0Gb/s, 2.5" wide, 5400 rpm
Widescreen display	**21.5"** (546.1mm) **WUXGA (1920x1080) TFT color**, **VibrantView** (glossy)**,** CCFL backlight, 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio, **frameless screen**
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone
Controls	Touch-sensitive buttons for brightness control, Novo Vision (internet / video / text), mode switch (panel off / PC / HDMI IN)
Graphics	**Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD)**, integrated graphics in GM45, uses main memory, DirectX® 10
Chipset	**Mobile Intel GM45 Express Chipset**, ICH9M I/O Controller Hub
Multicard reader	8-in-1 reader (MultiMedia Card, RS-MMC, Memory Stick, Memory Stick PRO™, Memory Stick Duo, Secure Digital Card, miniSD, xD-Picture Card™)
Ports	*Rear:* Two USB 2.0, ethernet (RJ-45), TV antenna connector on some models; IEEE 1394 FireWire 400 (4-pin connector), HDMI in/out *Side:* Two USB 2.0
PCIe Mini Card	Two PCIe Mini Card slots
11b/g/n[28]	11b/g/n wireless[4], PCIe Mini Card, Broadcom® chip or Atheros chip
TV tuner	*Some:* AverMedia® Hybrid tuner, support analog and digital signal, PCIe Mini Card
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator
Modem	None
Ethernet	Gigabit ethernet on planar, Realtek® RTL8111DL
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / stereo speakers (2 watt x 2) / mono microphone, microphone input jack (3.5 mm), headphone jack / S/PDIF-out (3.5 mm)
Security	Power-on password, supervisor password, security lockhole
Keyboard	Wireless keyboard via Bluetooth®, 6-row, multimedia Fn keys, white
Mouse	Wireless laser mouse via Bluetooth, 1200 dpi, white
Remote control	None
Dimensions[3]	*With base (WxHxD):* 20.63" x 15.59" x 8.27"; 524mm x 396mm x 210mm *Screen depth:* 0.73"; 18.5mm
Weight[2]	22.9 lb (10.4 kg)
Chassis	White color, ABS plastic
View adjustments	*Tilt:* 18° back, 3° forward; *swivel:* +/-10°

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® OneKey Recovery
- Media Show
- Lenovo CamSuite
- McAfee® VirusScan® Plus 2009 (60 days of virus definitions)
- Windows Live™ Essential
- Microsoft® Office 2007 Trial (60-day)

120-watt AC adapter
RoHS-compliant

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced March 11, 2010

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IdeaCentre™ A300 (4018) - Windows 7 (web only models)

Type-model	Proc-essor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	External optical	PCIe Mini Card 802.11	TV tuner	Remote control	Bluetooth	KBD/ Mouse	Win7 preload	Avail date
4018-1MU	T4400	2.20	2GB	21.5" WUXGA	0.3M	GMA 4500MHD	320GB[8]	None	11b/g/n[28]	TV	None	Bluetooth	BT/BT	Prem 64	Mar 10
4018-1NU	T4400	2.20	*4GB*	21.5" WUXGA	0.3M	GMA 4500MHD	500GB	None	11b/g/n	TV	None	Bluetooth	BT/BT	Prem 64	Mar 10
4018-1OU	T6600	2.20	*4GB*	21.5" WUXGA	0.3M	GMA 4500MHD	500GB	None	11b/g/n	TV	None	Bluetooth	BT/BT	Prem 64	Mar 10

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***

Processor	**Intel® Pentium® Processor T4400** with **dual-core**, 800MHz system bus, and 1MB L2 cache or **Intel Core™ 2 Duo processor T6600** with **dual-core**, 800MHz system bus, and 2MB L2 cache
Memory	**2GB** or **4GB** std / 4GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Non-italics:* standard memory in one socket; one socket available *Italics:* standard memory in both sockets; no sockets available
External DVD±RW	None
SATA disk	**320GB** or **500GB**, SATA 3.0Gb/s, 2.5" wide, 5400 rpm
Widescreen display	**21.5"** (546.1mm) **WUXGA (1920x1080) TFT color**, **VibrantView** (glossy)**,** CCFL backlight, 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio, **frameless screen**
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone
Controls	Touch-sensitive buttons for brightness control, Novo Vision (internet / video / text), mode switch (panel off / PC / HDMI IN)
Graphics	**Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD)**, integrated graphics in GM45, uses main memory, DirectX® 10
Chipset	**Mobile Intel GM45 Express Chipset**, ICH9M I/O Controller Hub
Multicard reader	8-in-1 reader (MultiMedia Card, RS-MMC, Memory Stick, Memory Stick PRO™, Memory Stick Duo, Secure Digital Card, miniSD, xD-Picture Card™)
Ports	*Rear:* Two USB 2.0, ethernet (RJ-45), TV antenna connector on some models; IEEE 1394 FireWire 400 (4-pin connector), HDMI in/out *Side:* Two USB 2.0
PCIe Mini Card 11b/g/n[28]	Two PCIe Mini Card slots *Some:* 11b/g/n wireless[4], PCIe Mini Card, Broadcom® chip or Atheros chip
TV tuner	*Some:* AverMedia® Hybrid tuner, support analog and digital signal, PCIe Mini Card
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator
Modem	None
Ethernet	Gigabit ethernet on planar, Realtek® RTL8111DL
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / stereo speakers (2 watt x 2) / mono microphone, microphone input jack (3.5 mm), headphone jack / S/PDIF-out (3.5 mm)
Security	Power-on password, supervisor password, security lockhole
Keyboard	Wireless keyboard via Bluetooth®, 6-row, multimedia Fn keys, white
Mouse	Wireless laser mouse via Bluetooth, 1200 dpi, white
Remote control	None
Dimensions[3]	*With base (WxHxD):* 20.63" x 15.59" x 8.27"; 524mm x 396mm x 210mm *Screen depth:* 0.73"; 18.5mm
Weight[2]	22.9 lb (10.4 kg)
Chassis	White color, ABS plastic
View adjustments	*Tilt:* 18° back, 3° forward; *swivel:* +/-10°

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® OneKey Recovery
- Media Show
- Lenovo CamSuite
- McAfee® VirusScan® Plus 2009 (60 days of virus definitions)
- Windows Live™ Essential
- Microsoft® Office 2007 Trial (60-day)

120-watt AC adapter
RoHS-compliant

Limited Warranty[1]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced February 5, 2010

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Type-model	Proc-essor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera (mega-pixel)	Graphics	SATA disk	External optical	PCIe Mini Card 802.11	TV tuner	Remote control	KBD/ Mouse	Win7 preload	Avail date
4073-2DU	P6100	2.00	None	2GBx2	21.5" FHD	LED	0.3M	Intel HD	320GB[8]	DVD±RW	11b/g/n[28]			BT/BT	Prem 64	Aug 10
4073-2EU	i3-370M	2.40	None	2GBx2	21.5" FHD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	TV	Remote	BT/BT	Prem 64	Aug 10

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Processor	**Intel® Pentium® processor P6100** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), and 3MB cache or **Intel® Core™ i3 processor i3-370M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache
Memory	**4GB** std / 8GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
External DVD±RW	USB 2.0 external DVD burner, tray-in
SATA disk	**320GB** or **500GB**, SATA 3.0Gb/s, 2.5" wide, 5400 rpm
Widescreen display	**21.5"** (546.1mm) **Full HD** (WUXGA 1920x1080) **TFT color**, **VibrantView** (glossy)**,** **LED** backlight, 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio, **frameless screen**
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone
Controls	Touch-sensitive buttons for Menu/OK button and Direction buttons
Graphics	**Intel HD Graphics** in processor, external digital monitor support via HDMI out connector, HDCP-compliant
Chipset	**Mobile Intel HM55 Express Chipset**
Multicard reader	7-in-1 reader (MultiMedia Card, RS-MMC, Memory Stick, Memory Stick PRO™, Memory Stick Duo, Secure Digital Card, miniSD)
Ports	*Rear:* Two USB 2.0, ethernet (RJ-45), TV tuner connector on some models; HDMI in, HDMI out *Side:* Two USB 2.0
PCIe Mini Card 11b/g/n[28]	Two PCIe Mini Card slots 11b/g/n wireless[4], PCIe Half Mini Card, Broadcom® BCM43225
TV tuner	*Some:* Hybrid tuner, support analog and digital signal, PCIe Mini Card
Bluetooth®	Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator
Modem	None
Ethernet	Gigabit ethernet on planar, Realtek® RTL8111DL
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / stereo speakers (2 watt x 2) / mono microphone, microphone input jack (3.5 mm), headphone jack / S/PDIF-out (3.5 mm)
Security	Power-on password, supervisor password, security lockhole
Keyboard	Wireless keyboard via Bluetooth, 6-row, multimedia Fn keys, white
Mouse	Wireless laser mouse via Bluetooth, white
Remote control	*Some:* MCE remote control, via IR
Dimensions[3]	*With base (WxHxD):* 20.63" x 15.59" x 8.15"; 524mm x 396mm x 207mm *Screen depth:* 0.73"; 18.5mm
Weight[2]	15.9 lb (7.2 kg), weight may vary by configuration
Chassis	White color, ABS plastic
View adjustments	*Tilt:* 18° back, 3° forward; *swivel:* +/-10°

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® OneKey Recovery
- Driver and Application Installation
- McAfee® VirusScan® Plus 2009 (60 days of virus definitions)
- CyberLink YouCam
- Windows Live™ Essential
- Microsoft Office 2010 preloaded; purchase product key to activate
- CyberLink Power2Go (DVD±RW)

120-watt AC adapter
RoHS-compliant

Limited Warranty[1]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced August 25, 2010

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IdeaCentre™ A310 (4073) - Windows 7 (web only models)

Type-model	Proc-essor	GHz	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera (mega-pixel)	Graphics	SATA disk	External optical	PCIe Mini Card 802.11	TV tuner	Remote control	KBD/ Mouse	Win7 preload	Avail date
4073-1GU	i3-350M	2.26		2GBx2	21.5" FHD	LED	0.3M	Intel HD	320GB[8]	DVD±RW	11b/g/n[28]	TV	Remote	BT/BT	Prem 64	Aug 10
4073-1HU	i5-450M	2.40	2.66	2GBx2	21.5" FHD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	TV	Remote	BT/BT	Prem 64	Aug 10

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Processor	**Intel® Core™ i3 processor i3-350M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or **Intel Core i5 processor i5-450M** with **dual-core**, DMI, integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache
Memory	**4GB** std / 8GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
External DVD±RW	USB 2.0 external DVD burner, tray-in
SATA disk	**320GB** or **500GB**, SATA 3.0Gb/s, 2.5" wide, 5400 rpm
Widescreen display	**21.5"** (546.1mm) **Full HD** (WUXGA 1920x1080) **TFT color**, **VibrantView** (glossy), **LED** backlight, 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio, **frameless screen**
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with mono microphone
Controls	Touch-sensitive buttons for Menu/OK button and Direction buttons
Graphics	**Intel HD Graphics** in processor, external digital monitor support via HDMI out connector, HDCP-compliant
Chipset	**Mobile Intel HM55 Express Chipset**
Multicard reader	7-in-1 reader (MultiMedia Card, RS-MMC, Memory Stick, Memory Stick PRO™, Memory Stick Duo, Secure Digital Card, miniSD)
Ports	*Rear:* Two USB 2.0, ethernet (RJ-45), TV tuner connector on some models; HDMI in, HDMI out *Side:* Two USB 2.0
PCIe Mini Card 11b/g/n[28]	Two PCIe Mini Card slots 11b/g/n wireless[4], PCIe Half Mini Card, Broadcom® BCM43225
TV tuner	Hybrid tuner, support analog and digital signal, PCIe Mini Card
Bluetooth®	Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator
Modem	None
Ethernet	Gigabit ethernet on planar, Realtek® RTL8111DL
Audio support	High Definition (HD) Audio, Realtek ALC272 codec / stereo speakers (2 watt x 2) / mono microphone, microphone input jack (3.5 mm), headphone jack / S/PDIF-out (3.5 mm)
Security	Power-on password, supervisor password, security lockhole
Keyboard	Wireless keyboard via Bluetooth, 6-row, multimedia Fn keys, white
Mouse	Wireless laser mouse via Bluetooth, white
Remote control	MCE remote control, via IR
Dimensions[3]	*With base (WxHxD):* 20.63" x 15.59" x 8.15"; 524mm x 396mm x 207mm *Screen depth:* 0.73"; 18.5mm
Weight[2]	15.9 lb (7.2 kg), weight may vary by configuration
Chassis	White color, ABS plastic
View adjustments	*Tilt:* 18° back, 3° forward; *swivel:* +/-10°

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® OneKey Recovery
- Driver and Application Installation
- McAfee® VirusScan® Plus 2009 (60 days of virus definitions)
- CyberLink YouCam
- Windows Live™ Essential
- Microsoft Office 2010 preloaded; purchase product key to activate
- CyberLink Power2Go (DVD±RW)

120-watt AC adapter
RoHS-compliant

Limited Warranty[1]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced August 25, 2010

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Lenovo IdeaCentre A600
(Remote control and wireless keyboard/mouse on select models)

Lenovo IdeaCentre A600
(Remote control and wireless keyboard/mouse on select models)

Lenovo IdeaCentre A600

Lenovo IdeaCentre A600

Lenovo IdeaCentre A600

Lenovo IdeaCentre A600

Type-model	Proc-essor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	TV tuner	Remote control	Micro-phone	Blue-tooth	KBD/ Mouse	Vista preload	Avail date
3011-2AU	T4200	2.00	2GB	21.5" WUXGA	1.3	GMA	320GB[8]	DVD±RW	11b/g[28]			Mono		USB	Prem 64	Apr 09
3011-2BU	T4200	2.00	*3GB*	21.5" WUXGA	1.3	GMA	500GB	DVD±RW	Intel 5100			Mono		USB	Prem 64	Apr 09
3011-2CU	T4200	2.00	*4GB*	21.5" WUXGA	1.3	GMA	640GB	DVD±RW	Intel 5100			Mono		USB	Prem 64	Apr 09
3011-3AU	T6400	2.00	*3GB*	21.5" WUXGA	1.3	GMA	640GB	DVD±RW	✶ Intel 5100			Mono		USB	Prem 64	Apr 09
3011-3CU	T6400	2.00	*4GB*	21.5" WUXGA	2.0	HD 3650	1TB	DVD±RW	✶ Intel 5100	TV	Remote	Array	Blue	Wireless	Prem 64	Apr 09
3011-4AU	P7450	2.13	*4GB*	21.5" WUXGA	2.0	HD 3650	1TB	BD player	✣ Intel 5100			Array	Blue	USB	Prem 64	Apr 09
3011-4BU	P7450	2.13	*4GB*	21.5" WUXGA	2.0	HD 3650	1TB	BD player	✣ Intel 5100	TV	4-in-1	Array	Blue	Wireless	Prem 64	Apr 09
☞ 3011-3DU	T6400	2.00	*3GB*	21.5" WUXGA	1.3	GMA	500GB	DVD±RW	✶ Intel 5100			Mono		Wireless	Prem 32	Apr 09
☞ 3011-3HU	T6400	2.00	*4GB*	21.5" WUXGA	2.0	HD 3650	640GB	DVD±RW	✶ Intel 5100	TV	4-in-1	Array	Blue	Wireless	Prem 64	Apr 09

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***(Seleted models) 4-in-1 remote control acts as a motion game controller (requires game support), VOIP handset, Vista Media Center remote and air mouse***
- ***Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face***
- ***Dolby® Home Theater™ premium audio system with two speakers and one subwoofer***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***

Processor	**Intel® Pentium® processor T4200** with **dual-core**, 800MHz system bus, and 1MB L2 cache or **Intel Core™ 2 Duo processor T6400** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core 2 Duo processor P7450** with **dual-core**, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache
Memory	**2GB**, **3GB**, or **4GB** std / 4GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available *Non-italics:* standard memory in one socket; one socket available
SATA DVD±RW	*Some:* DVD burner, dual-layer support, fixed, not removable, 12.7mm, slot-in
SATA Blu-ray™	*Some:* Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, slot-in
SATA disk	**320GB**, **500GB**, **640GB**, or **1TB**, SATA 3.0Gb/s, 3.5" wide, 7200 rpm
Widescreen display	**21.5"** (546.1mm) **WUXGA (1920x1080) TFT color**, **VibrantView** (glossy)**,** CCFL backlight, 300 nits**,** 16:9 aspect ratio**,** 1000:1 contrast ratio, **frameless screen**
Camera	*Some:* camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone *Some:* camera on top of screen, 2.0-megapixel, fixed focus, with dual array microphone
Controls	Touch-sensitive buttons for brightness, display on/off, and optical disk drive eject
Graphics	*Some:* **Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD)**, integrated graphics in GM45, uses main memory, DirectX® 10 *Some:* **ATI™ Mobility Radeon™ HD 3650**, PCI Express® x16, **512MB** memory, DirectX® 10, ATI Avivo™ HD
Chipset	**Mobile Intel GM45 Express Chipset** (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express 1.1, PCI 2.3, ethernet MAC)
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), TV antenna connector on some models; *Left:* Two USB 2.0, IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)
Mini PCI Express	Two Mini PCI Express slots
Intel 5100[28]	*Some:* 11a/b/g/n wireless[4], Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)
11b/g[28]	*Some:* 11b/g wireless[4], Mini PCIe adapter, Broadcom® BCM4312
TV tuner	*Some:* AverMedia® Hybrid tuner, support analog and digital signal, Mini PCIe adapter
Bluetooth™	*Some:* Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator
Modem	None
Ethernet	Gigabit ethernet on planar, Broadcom BCM5784
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / two speakers (3 watt) and subwoofer (8 watt), Dolby Home Theater Speaker System / mono microphone or dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Power-on password, hard disk password, supervisor password
Keyboard	*Some:* Wireless RF 2.4 GHz keyboard with touch pad, 6-row, 84-key, touch-sensitive multimedia keys and shortcut keys *Some:* USB full-size keyboard with USB hub (two USB ports)
Mouse	*Some:* Wireless RF 2.4 GHz Laser Wheel Mouse, 800/1600 dpi (user switchable) *Some:* USB Optical Wheel Mouse
Remote control	*Some:* Vista MCE remote control (40-button), via IR *Some:* 4-in-1 remote control, via bluetooth, acts as motion game controller (requires games* support), VOIP headset, Vista MCE remote control, and air mouse * Motion games CD included in 4-in-1 remote control models (requires installation)
Dimensions[3]	*(WxHxD):* 20.47" x 18.22" x 1.06" to 2.36"; 520mm x 463mm x 27 to 60mm
Weight[2]	27.7 lb (12.6 kg)
Chassis	Black color, ABS plastic
Stand	Tilt stand (15° back, 5° forward)

Preloaded operating system[20]
- *Some:* Genuine Windows® Vista® Home Premium 32
- *Some:* Genuine Windows Vista Home Premium 64

✧ Vista Premium logo

Preloaded applications[14]
- Lenovo® OneKey Recovery
- Driver and Application Installation
- Lenovo Recovery Disk Maker
- Lenovo Healthcare Software
- VeriFace™
- Media Show
- Trend Micro™ PC-cillin™ Internet Security 2008
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Cyberlink Power2Go (DVD±RW, BD player)
- Corel® WinDVD® (BD player)

Available at these retailers
- lenovo.com
- Fry's

Some: 130-watt (GMA graphics) AC adapter
Some: 150-watt (ATI graphics) AC adapter
RoHS-compliant

Limited Warranty[12]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):[9]**
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7[14] toll-free support for warranty issues during the warranty period[1] via 877-453-6686**

See footnotes for important warranty information
☞ US models announced April 22, 2009; previous models on April 07, 2009

✶ Intel Centrino® processor technology
✣ Intel Centrino 2 processor technology

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Type-model	Proc-essor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	TV tuner	Remote control	Micro-phone	Blue-tooth	KBD/ Mouse	Vista preload	Avail date
3011-3LU	T6500	2.10	*4GB*	21.5" WUXGA	1.3	GMA	640GB[8]	DVD±RW	✶ Intel 5100[28]			Mono		USB	Prem 64	Sep 09
3011-3RU	T6500	2.10	*4GB*	21.5" WUXGA	2.0	HD 4650	500GB	DVD±RW	✶ Intel 5100	TV	Remote	Array	Blue	USB	Prem 64	Sep 09
3011-3UU	T6500	2.10	*4GB*	21.5" WUXGA	2.0	HD 4650	640GB	DVD±RW	✶ Intel 5100	TV	4-in-1	Array	Blue	Wireless	Prem 64	Sep 09
3011-4EU	P7350	2.00	*4GB*	21.5" WUXGA	2.0	HD 4650	1TB	BD player	✣ Intel 5100	TV	4-in-1	Array	Blue	Wireless	Prem 64	Sep 09

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***(Seleted models) 4-in-1 remote control acts as a motion game controller (requires game support), VOIP handset, Vista Media Center remote and air mouse***
- ***Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face***
- ***Dolby® Home Theater™ premium audio system with two speakers and one subwoofer***
- ***Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows***

Processor	**Intel® Core™ 2 Duo processor T6500** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core 2 Duo processor P7350** with **dual-core**, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache
Memory	**4GB** std / 4GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available
SATA DVD±RW	*Some:* DVD burner, dual-layer support, fixed, not removable, 12.7mm, slot-in
SATA Blu-ray™	*Some:* Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, slot-in
SATA disk	**500GB**, **640GB**, or **1TB**, SATA 3.0Gb/s, 3.5" wide, 7200 rpm
Widescreen display	**21.5"** (546.1mm) **WUXGA (1920x1080) TFT color**, **VibrantView** (glossy), CCFL backlight, 300 nits, 16:9 aspect ratio, 1000:1 contrast ratio, **frameless screen**
Camera	*Some:* camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone *Some:* camera on top of screen, 2.0-megapixel, fixed focus, with dual array microphone
Controls	Touch-sensitive buttons for brightness, display on/off, and optical disk drive eject
Graphics	*Some:* **Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD)**, integrated graphics in GM45, uses main memory, DirectX® 10 *Some:* **ATI™ Mobility Radeon™ HD 4650**, PCI Express® x16, **512MB** memory, DirectX® 10, ATI Avivo™ HD
Chipset	**Mobile Intel GM45 Express Chipset** (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express 1.1, PCI 2.3, ethernet MAC)
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), TV antenna connector on some models; *Left:* Two USB 2.0, IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)
Mini PCI Express	Two Mini PCI Express slots
Intel 5100[28]	11a/b/g/n wireless[4], Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)
TV tuner	*Some:* AverMedia® Hybrid tuner, support analog and digital signal, Mini PCIe adapter
Bluetooth™	*Some:* Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator
Modem	None
Ethernet	Gigabit ethernet on planar, Broadcom BCM5784
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / two speakers (3 watt) and subwoofer (8 watt), Dolby Home Theater Speaker System / mono microphone or dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Power-on password, hard disk password, supervisor password
Keyboard	*Some:* Wireless RF 2.4 GHz keyboard with touch pad, 6-row, 84-key, touch-sensitive multimedia keys and shortcut keys *Some:* USB full-size keyboard with USB hub (two USB ports)
Mouse	*Some:* Wireless RF 2.4 GHz Laser Wheel Mouse, 800/1600 dpi (user switchable) *Some:* USB Optical Wheel Mouse
Remote control	*Some:* Vista MCE remote control (40-button), via IR *Some:* 4-in-1 remote control, via bluetooth, acts as motion game controller (requires games* support), VOIP headset, Vista MCE remote control, and air mouse * Motion games CD included in 4-in-1 remote control models (requires installation)
Dimensions[3]	*(WxHxD):* 20.47" x 18.22" x 1.06" to 2.36"; 520mm x 463mm x 27 to 60mm
Weight[2]	27.7 lb (12.6 kg)
Chassis	Black color, ABS plastic
Stand	Tilt stand (15° back, 5° forward)

Preloaded operating system[20]
- Genuine Windows® Vista® Home Premium 64
✧ Vista Premium logo

Preloaded applications[14]
- Lenovo® OneKey Recovery
- Driver and Application Installation
- Lenovo Recovery Disk Maker
- Lenovo Healthcare Software
- VeriFace™
- Media Show
- Trend Micro™ PC-cillin™ Internet Security 2008
- Windows Live™ Toolbar
- Microsoft® Office 2007 Trial (60-day)
- Cyberlink Power2Go (DVD±RW, BD player)
- Corel® WinDVD® (BD player)

Available at these retailers
- lenovo.com

Some: 130-watt (GMA graphics) AC adapter
Some: 150-watt (ATI graphics) AC adapter
RoHS-compliant

Limited Warranty[12]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced September 10, 2009

✶ Intel Centrino® processor technology
✣ Intel Centrino 2 processor technology

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Type-model	Proc-essor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	TV tuner	Remote control	Micro-phone	Blue-tooth	KBD/ Mouse	Win7 preload	Avail date
3011-6CU	T4300	2.10	2GB	21.5" WUXGA	1.3	GMA	320GB[8]	DVD±RW	Intel 5100[28]			Mono		USB	Prem 64	Oct 09
3011-6DU	T4300	2.10	*4GB*	21.5" WUXGA	2.0	HD 4650	320GB	DVD±RW	11b/g	TV		Array	Blue	USB	Prem 64	Oct 09
3011-CGU	T6600	2.20	*4GB*	21.5" WUXGA	2.0	HD 4650	640GB	DVD±RW ✶	Intel 5100	TV	4-in-1	Array	Blue	Wireless	Prem 64	Oct 09
3011-CJU	T6600	2.20	*3GB*	21.5" WUXGA	2.0	HD 4650	500GB	DVD±RW ✶	Intel 5100	TV	Remote	Array	Blue	USB	Prem 64	Oct 09
3011-CKU	T6600	2.20	*4GB*	21.5" WUXGA	2.0	HD 4650	500GB	DVD±RW ✶	Intel 5100	TV	Remote	Array	Blue	Wireless	Prem 64	Oct 09
3011-4LU	P7550	2.26	*4GB*	21.5" WUXGA	2.0	HD 4650	1TB	BD player ✣	Intel 5100	TV	4-in-1	Array	Blue	Wireless	Prem 64	Oct 09

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***(Seleted models) 4-in-1 remote control acts as a motion game controller (requires game support), VOIP handset, Vista Media Center remote and air mouse***
- ***Dolby® Home Theater™ premium audio system with two speakers and one subwoofer***
- ***Lenovo Rescue System provides OneKey recovery without booting into Windows***

Processor	**Intel® Pentium® Processor T4300 with dual-core,** 800MHz system bus, and 1MB L2 cache or **Intel Core™ 2 Duo processor T6600** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core 2 Duo processor P7550** with **dual-core**, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache
Memory	**2GB**, **3GB**, or **4GB** std / 4GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Non-italics:* standard memory in one socket; one socket available *Italics:* standard memory in both sockets; no sockets available
SATA DVD±RW	*Some:* DVD burner, dual-layer support, fixed, not removable, 12.7mm, slot-in
SATA Blu-ray™	*Some:* Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, slot-in
SATA disk	**320GB**, **500GB**, **640GB**, or **1TB**, SATA 3.0Gb/s, 3.5" wide, 7200 rpm
Widescreen display	**21.5"** (546.1mm) **WUXGA (1920x1080) TFT color**, **VibrantView** (glossy)**,** CCFL backlight, 300 nits**,** 16:9 aspect ratio**,** 1000:1 contrast ratio, **frameless screen**
Camera	*Some:* camera on top of screen, 1.3-megapixel, fixed focus, with mono microphone *Some:* camera on top of screen, 2.0-megapixel, fixed focus, with dual array microphone
Controls	Touch-sensitive buttons for brightness, display on/off, and optical disk drive eject
Graphics	*Some:* **Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD)**, integrated graphics in GM45, uses main memory, DirectX® 10 *Some:* **ATI™ Mobility Radeon™ HD 4650**, PCI Express® x16, **512MB** memory, DirectX® 10, ATI Avivo™ HD
Chipset	**Mobile Intel GM45 Express Chipset** (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express 1.1, PCI 2.3, ethernet MAC)
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), TV antenna connector on some models; *Left:* Two USB 2.0, IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)
Mini PCI Express	Two Mini PCI Express slots
Intel 5100[28]	*Some:* 11a/b/g/n wireless[4], Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)
11b/g[11]	*Some:* 11b/g wireless[4], Mini PCIe adapter, Broadcom® BCM4312
TV tuner	*Some:* AverMedia® Hybrid tuner, support analog and digital signal, Mini PCIe adapter
Bluetooth™	*Some:* Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator
Modem	None
Ethernet	Gigabit ethernet on planar, Broadcom BCM5784
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / two speakers (3 watt) and subwoofer (8 watt), Dolby Home Theater Speaker System / mono microphone or dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Security	Power-on password, hard disk password, supervisor password
Keyboard	*Some:* Wireless RF 2.4 GHz keyboard with touch pad, 6-row, 84-key, touch-sensitive multimedia keys and shortcut keys *Some:* USB full-size keyboard with USB hub (two USB ports)
Mouse	*Some:* Wireless RF 2.4 GHz Laser Wheel Mouse, 800/1600 dpi (user switchable) *Some:* USB Optical Wheel Mouse
Remote control	*Some:* MCE remote control (40-button), via IR *Some:* 4-in-1 remote control, via bluetooth, acts as motion game controller (requires games support), VOIP headset, MCE remote control, and air mouse
Dimensions[3]	*(WxHxD):* 20.47" x 18.22" x 1.06" to 2.36"; 520mm x 463mm x 27 to 60mm
Weight[2]	27.7 lb (12.6 kg)
Chassis	Black color, ABS plastic
Stand	Tilt stand (15° back, 5° forward)

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® OneKey Recovery
- Lenovo Healthcare Software
- Media Show
- McAfee VirusScan® Plus 2009 (30 days of virus definitions)
- Cyberlink Power2Go (DVD±RW, BD player)
- Corel® WinDVD® (BD player)

Some: 130-watt (GMA graphics) AC adapter
Some: 150-watt (ATI graphics) AC adapter
RoHS-compliant

Limited Warranty[12]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced October 23, 2009

✶ Intel Centrino® processor technology
✣ Intel Centrino 2 processor technology

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ideacentre

Lenovo IdeaCentre A700
with optional 3-in-1 mouse

Lenovo IdeaCentre A700

Lenovo IdeaCentre A700
with optional 3-in-1 mouse

Lenovo IdeaCentre A700

Lenovo IdeaCentre A700

Lenovo IdeaCentre A700

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Multi-Touch screen	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	TV tuner	Remote control	AC adapter	Keyboard/ Mouse	Win7 preload	Avail date
4024-3AU	i3-350M	2.26		*4GB*	23" FHD	*Multi*	Intel HD	320GB[8]	DVD±RW	11b/g/n[28]	TV	IR remote	120W	BT/BT	Prem 64	Jun 10
4024-1AU	i7-720QM	1.60	2.80	*4GB*	23" FHD	*Multi*	HD 5650	1TB	DVD±RW	11b/g/n	TV	IR remote	150W	BT/BT	Prem 64	Jun 10
☞ 4024-4AU	i3-370M	2.40		*4GB*	23" FHD	*Multi*	Intel HD	320GB	DVD±RW	11b/g/n	TV	IR remote	150W	BT/BT	Prem 64	Aug 10
☞ 4024-4BU	i5-460M	2.53	2.80	*4GB*	23" FHD	*Multi*	HD 5470	500GB	DVD±RW	11b/g/n	TV	IR remote	150W	BT/BT	Prem 64	Aug 10
☞ 4024-4CU	i7-740QM	1.73	2.93	*4GB*	23" FHD	*Multi*	HD 5650	1TB	DVD±RW	11b/g/n	TV	IR remote	150W	BT/BT	Prem 64	Aug 10

- ***All-In-One design with 23" Full HD 16:9 widescreen, multi-touch support***
- ***Integrated TV tuner***
- ***Lenovo® Rescue System provides OneKey recovery without booting into Windows***
- ***JBL® stereo speakers***

Processor	**Intel® Core™ i3 processor i3-350M** or **i3-370M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or **Intel Core i5 processor i5-460M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache or **Intel Core i7 processor i7-720QM** or **i7-740QM** with **quad-core**, DMI, integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology, 6MB cache
Memory	**4GB** std / 8GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, slot-in
SATA disk	**320GB**, **500GB** or **1TB**, SATA 3.0Gb/s, 7200 rpm, 3.5" wide
Widescreen display	**23"** (584.2mm) **Full HD** (WUXGA 1920x1080) **TFT color**, **VibrantView** (glossy)**, LED backlight,** 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with microphone
Controls	Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, Novo Vision, mode switch (PC / HDMI IN / AV IN), and display on/off
Graphics	*Some:* **Intel HD Graphics** in processor, uses main memory; *Some:* **ATI™ Mobility Radeon™ HD 5470**, **512MB** memory, DirectX® 11; *Some:* **ATI Mobility Radeon HD 5650**, **1GB** memory, DirectX 11
Chipset	**Mobile Intel HM55 Express Chipset**
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), TV tuner connector, S/PDIF out, HDMI in/out *Side:* Two USB 2.0, eSATA, microphone (3.5 mm), headphone (3.5 mm), IEEE 1394 FireWire 400 (4-pin connector)
PCIe Mini Card	Two PCI Express Mini Card slots
11b/g/n[28]	11b/g/n wireless[4], Mini PCIe adapter, Broadcom® chip or Atheros chip
TV tuner	Hybrid tuner, support analog and digital signal, PCIe Mini Card
Bluetooth™	Bluetooth 2.1 wireless + EDR
Modem	None
Ethernet	Gigabit ethernet on planar, Intel 82577LC
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / Dolby® Home Theater™ certified, JBL stereo speakers (5 watt x 2)
Security	Power-on password, administrator password
Keyboard	Bluetooth full-size keyboard, 6-row, 104-key, black
Mouse	Bluetooth Optical Wheel Mouse, black
Remote control	MCE remote control, via IR
Dimensions[3]	*(WxHxD):* 22.4" x 16.9" x 2.8"; 568mm x 430mm x 71mm
Weight[2]	*Touch models:* 32.6 lb (14.8kg)
Chassis	Black color; ABS plastic
Stand	Adjustable stand (between 12° and 35°)
Wall mount	Wall mount kit, meets VESA 100mm mount standard

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- Driver and Application Installation
- CyberLink YouCam
- McAfee® VirusScan® Plus 2009 (60 days of virus definitions)
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System
- Cyberlink Power2Go (DVD±RW)
- Lenovo IdeaTouch (Touch models)
  - PowerCinema
  - Lenovo VeriTouch
  - AutoCollage Touch
- Windows Live Essential
- Microsoft® Office 2007 Trial (60-day)

Some: 120-watt AC adapter
Some: 150-watt AC adapter
ENERGY® STAR 5.0-compliant
RoHS-compliant

Limited Warranty[12]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

☞ US models announced August 25, 2010; previous models on June 3, 2010

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IdeaCentre™ A700 (4024) - Windows 7 (web only models)

Type-model	Processor	GHz	Max turbo (GHz)	Memory	Widescreen display	Multi-Touch screen	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	TV tuner	Remote control	AC adapter	Keyboard/ Mouse	Win7 preload	Avail date
4024-3BU	i3-350M	2.26		*4GB*	23" FHD	*Multi*	Intel HD	500GB[8]	DVD±RW	11b/g/n[28]	TV	IR remote	120W	BT/BT	Prem 64	Jun 10
4024-2BU	i5-430M	2.26	2.53	*4GB*	23" FHD	*Multi*	HD 5470	640GB	DVD±RW	11b/g/n	TV	IR remote	150W	BT/BT	Prem 64	Jun 10
4024-1CU	i7-720QM	1.60	2.80	*8GB*	23" FHD	*Multi*	HD 5650	1TB	BD player	11b/g/n	TV	4-in-1	150W	BT/BT	Prem 64	Jun 10
☞ 4024-4JU	i7-740QM	1.73	2.93	*8GB*	23" FHD	*Multi*	HD 5650	1TB	BD player	11b/g/n	TV	4-in-1	150W	BT/BT	Prem 64	Oct 10

- ***All-In-One design with 23" Full HD 16:9 widescreen, multi-touch support***
- ***Integrated TV tuner***
- ***Lenovo® Rescue System provides OneKey recovery without booting into Windows***
- ***(Seleted models) 4-in-1 remote control acts as a motion game controller (requires game support), VOIP handset, Media Center remote control, and air mouse***
- ***JBL® stereo speakers***

Processor	**Intel® Core™ i3 processor i3-350M** with **dual-core**, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or **Intel Core i5 processor i5-430M** with **dual-core**, DMI, integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache or **Intel Core i7 processor i7-720QM** or **i7-740QM** with **quad-core**, DMI, integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology, 6MB cache
Memory	**4GB** or **8GB** std / 8GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available
SATA DVD±RW	*Some:* DVD burner, dual-layer support, fixed, not removable, slot-in
SATA Blu-ray™	*Some:* Blu-ray disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, slot-in
SATA disk	**500GB**, **640GB**, or **1TB**, SATA 3.0Gb/s, 7200 rpm, 3.5" wide
Widescreen display	**23"** (584.2mm) **Full HD** (WUXGA 1920x1080) **TFT color**, **VibrantView** (glossy)**,** **LED backlight,** 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with microphone
Controls	Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, Novo Vision, mode switch (PC / HDMI IN / AV IN), and display on/off
Graphics	*Some:* **Intel HD Graphics** in processor, uses main memory; *Some:* **ATI™ Mobility Radeon™ HD 5470**, **512MB** memory, DirectX® 11; *Some:* **ATI Mobility Radeon HD 5650**, **1GB** memory, DirectX 11
Chipset	**Mobile Intel HM55 Express Chipset**
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), TV tuner connector, S/PDIF out, HDMI in/out *Side:* Two USB 2.0, eSATA, microphone (3.5 mm), headphone (3.5 mm), IEEE 1394 FireWire 400 (4-pin connector)
PCIe Mini Card 11b/g/n[28]	Two PCI Express Mini Card slots 11b/g/n wireless[4], Mini PCIe adapter, Broadcom® chip or Atheros chip
TV tuner	Hybrid tuner, support analog and digital signal, PCIe Mini Card
Bluetooth™	Bluetooth 2.1 wireless + EDR
Modem	None
Ethernet	Gigabit ethernet on planar, Intel 82577LC
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / Dolby® Home Theater™ certified, JBL stereo speakers (5 watt x 2)
Security	Power-on password, administrator password
Keyboard	Bluetooth full-size keyboard, 6-row, 104-key, black
Mouse	Bluetooth Optical Wheel Mouse, black
Remote control	*Some:* MCE remote control, via IR *Some:* 4-in-1 remote control, via bluetooth, acts as motion game controller (requires game support), VOIP headset, MCE remote control, and air mouse
Dimensions[3]	*(WxHxD):* 22.4" x 16.9" x 2.8"; 568mm x 430mm x 71mm
Weight[2]	*Touch models:* 32.6 lb (14.8kg)
Chassis	Black color; ABS plastic
Stand	Adjustable stand (between 12° and 35°)
Wall mount	Wall mount kit, meets VESA 100mm mount standard

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- Driver and Application Installation
- CyberLink YouCam
- McAfee® VirusScan® Plus 2009 (60 days of virus definitions)
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System
- Cyberlink Power2Go (DVD±RW, BD player)
- Corel® WinDVD® (BD player)
- Lenovo IdeaTouch (Touch models)
  - PowerCinema
  - Lenovo VeriTouch
  - AutoCollage Touch
- Windows Live Essential
- Microsoft® Office 2007 Trial (60-day)

Some: 120-watt AC adapter
Some: 150-watt AC adapter
ENERGY® STAR 5.0-compliant
RoHS-compliant

Limited Warranty[12]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
☞ US model announced October 22, 2010, previous models on April 07, 2009

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Lenovo IdeaCentre B305
with optional bluetooth keyboard and mouse

Lenovo IdeaCentre B305
AV IN and TV IN on some models

Lenovo IdeaCentre B305

Lenovo IdeaCentre B305
with optional PS/2 keyboard and USB mouse

Lenovo IdeaCentre B305

Lenovo IdeaCentre B305

Type-model	Processor	GHz	Memory	Widescreen display	Multi-Touch screen	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	TV tuner	Remote control	Keyboard/ Mouse	Win7 preload	Avail date
4031-1FU	Athlon II X2 235e	2.70	*4GB*	21.5" FHD	*Multi*	3000	500GB[8]	DVD±RW	11b/g/n[28]			PS2/USB	Prem 64	Jun 10
☞ 4031-3BU	Athlon II X2 235e	2.70	*4GB*	21.5" FHD	*Multi*	3000	1TB	DVD±RW	11b/g/n			BT/BT	Prem 64	Aug 10
4031-1GU	Athlon II X3 400e	2.20	*4GB*	21.5" FHD	*Multi*	HD 5450	640GB	DVD±RW	11b/g/n	TV	IR remote	BT/BT	Prem 64	Jun 10
4031-1HU	Athlon II X4 600e	2.20	*4GB*	21.5" FHD	*Multi*	HD 5450	1TB	DVD±RW	11b/g/n	TV	IR remote	BT/BT	Prem 64	Jun 10

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, multi-touch support***
- ***(Seleted models) Integrated TV tuner***
- ***Lenovo® Rescue System provides OneKey recovery without booting into Windows***

Processor	**AMD® Athlon™ II X2 Processor 235e** with **dual-core**, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 tech, int DDR3 memory controller, and 2MB L2 cache (1MB per core) or **AMD Athlon II X3 Processor 400e** with **triple-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 tech, int DDR3 memory controller, and 1.5MB L2 cache (512KB per core) or **AMD Athlon II X4 Processor 600e** with **quad-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 tech, int DDR3 memory controller, and 2MB L2 cache (512KB per core)
Memory	**4GB** std / 4GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, tray-in
SATA disk	**500GB**, **640GB**, or **1TB**, SATA 3.0Gb/s, 7200 rpm, 3.5" wide
Widescreen display	**21.5"** (546.1mm) **Full HD** (WUXGA 1920x1080) **TFT color**, **VibrantView** (glossy)**, LED backlight,** 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with microphone
Controls	Buttons for brightness up, brightness down, display on/off, and power on/off
Graphics	*Some:* **ATI™ Radeon™ 3000**, integrated graphics in 760G, uses main memory, DirectX® 10; *Some:* **ATI Radeon HD 5450**, PCI Express® x16, 512MB memory, DirectX 11, ATI Avivo™ HD
Chipset	**AMD 760G Chipset** with HyperTransport 3.0 and PCI Express 2.0 support; SB710 south bridge
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), TV tuner connector on some models, IEEE 1394 FireWire 400 (4-pin connector) *Side:* Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm)
PCIe Mini Card 11b/g/n[28]	Two PCI Express Mini Card slots 11b/g/n wireless[4], PCIe Mini Card, Broadcom® chip or Atheros chip
TV tuner	*Some:* Hybrid tuner, support analog and digital signal, PCIe Mini Card
Bluetooth™	Bluetooth 2.1 wireless + EDR
Modem	None
Ethernet	10/100 ethernet on planar, RealTek® RTL8103EL
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (3 watt x 2)
Security	Power-on password, administrator password
Keyboard	*Some:* Bluetooth full-size keyboard, 6-row, 104-key, black *Some:* Full-size keyboard (PS/2 connector), Fn keys, black
Mouse	*Some:* Bluetooth Optical Wheel Mouse, black *Some:* Optical Wheel Mouse (USB connector), black
Remote control	*Some:* MCE remote control, via IR
Dimensions[3]	*(WxHxD):* 20.7" x 16.0" x 4.37"; 526mm x 407mm x 111mm
Weight[2]	*Touch models:* 24.7 lb (11.2kg)
Chassis	Black color; ABS plastic
Stand	Adjustable stand (between 15° and 40°)

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- Driver and Application Installation
- CyberLink YouCam
- McAfee® VirusScan® Plus 2009 (60 days of virus definitions)
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System
- Cyberlink Power2Go (DVD±RW)
- Lenovo IdeaTouch (Touch models)
  - PowerCinema
  - Lenovo VeriTouch
  - AutoCollage Touch
- Windows Live Essential
- Microsoft® Office 2007 Trial (60-day)

Integrated models: 120-watt AC adapter
Discrete models: 130-watt AC adapter
ENERGY® STAR 5.0-compliant
RoHS-compliant

Limited Warranty[12]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information

☞ US model announced August 25, 2010; previous models on June 3, 2010

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IdeaCentre™ B305 (4031) - Windows 7 (web only models)

Type-model	Processor	GHz	Memory	Widescreen display	Multi-Touch screen	Graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	TV tuner	Remote control	Keyboard/ Mouse	Win7 preload	Avail date
4031-1RU	Athlon II X2 235e	2.70	2GB	21.5" FHD	*Multi*	HD 5450	320GB[8]	DVD±RW	11b/g/n[28]			PS2/USB	Prem 64	Jun 10
4031-1QU	Athlon II X3 400e	2.20	*4GB*	21.5" FHD	*Multi*	HD 5450	500GB	DVD±RW	11b/g/n	TV	IR remote	PS2/USB	Prem 64	Jun 10
4031-1PU	Athlon II X4 600e	2.20	*4GB*	21.5" FHD	*Multi*	HD 5450	640GB	DVD±RW	11b/g/n	TV	IR remote	PS2/USB	Prem 64	Jun 10

- ***All-In-One design with 21.5" Full HD 16:9 widescreen, multi-touch support***
- ***(Seleted models) Integrated TV tuner***
- ***Lenovo® Rescue System provides OneKey recovery without booting into Windows***

Processor	**AMD® Athlon™ II X2 Processor 235e** with **dual-core**, 4000MHz HyperTransport™ Bus, AMD Virtualization™ (AMD-V™) technology, AMD64 tech, int DDR3 memory controller, and 2MB L2 cache (1MB per core) or **AMD Athlon II X3 Processor 400e** with **triple-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 tech, int DDR3 memory controller, and 1.5MB L2 cache (512KB per core) or **AMD Athlon II X4 Processor 600e** with **quad-core**, 4000MHz HyperTransport Bus, AMD Virtualization (AMD-V) technology, AMD64 tech, int DDR3 memory controller, and 2MB L2 cache (512KB per core)
Memory	**2GB** or **4GB** std / 4GB max[7] / **PC3-10600 1333MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available; *Non-italics:* standard memory in one socket; one socket available
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, tray-in
SATA disk	**320GB**, **500GB**, or **640GB**, SATA 3.0Gb/s, 7200 rpm, 3.5" wide
Widescreen display	**21.5"** (546.1mm) **Full HD** (WUXGA 1920x1080) **TFT color**, **VibrantView** (glossy)**, LED backlight,** 250 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with microphone
Controls	Buttons for brightness up, brightness down, display on/off, and power on/off
Graphics	**ATI™ Radeon™ HD 5450**, PCI Express® x16, 512MB memory, DirectX® 11, ATI Avivo™ HD
Chipset	**AMD 760G Chipset** with HyperTransport 3.0 and PCI Express 2.0 support; SB710 south bridge
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, SDHC)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), TV tuner connector on some models, IEEE 1394 FireWire 400 (4-pin connector) *Side:* Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm)
PCIe Mini Card	Two PCI Express Mini Card slots
11b/g/n[28]	11b/g/n wireless[4], PCIe Mini Card, Broadcom® chip or Atheros chip
TV tuner	*Some:* Hybrid tuner, support analog and digital signal, PCIe Mini Card
Bluetooth™	None
Modem	None
Ethernet	10/100 ethernet on planar, RealTek® RTL8103EL
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (3 watt x 2)
Security	Power-on password, administrator password
Keyboard	Full-size keyboard (PS/2 connector), Fn keys, black
Mouse	Optical Wheel Mouse (USB connector), black
Remote control	*Some:* MCE remote control, via IR
Dimensions[3]	*(WxHxD):* 20.7" x 16.0" x 4.37"; 526mm x 407mm x 111mm
Weight[2]	*Touch models:* 24.7 lb (11.2kg)
Chassis	Black color; ABS plastic
Stand	Adjustable stand (between 15° and 40°)

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- Driver and Application Installation
- CyberLink YouCam
- McAfee® VirusScan® Plus 2009 (60 days of virus definitions)
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System
- Cyberlink Power2Go (DVD±RW)
- Lenovo IdeaTouch (Touch models)
  - PowerCinema
  - Lenovo VeriTouch
  - AutoCollage Touch
- Windows Live Essential
- Microsoft® Office 2007 Trial (60-day)

Discrete models: 130-watt AC adapter
ENERGY® STAR 5.0-compliant
RoHS-compliant

Limited Warranty[12]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced June 3, 2010

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Lenovo IdeaCentre B500
Bluetooth keyboard and mouse on some models

Lenovo IdeaCentre B500
AV IN and TV IN on some models

Lenovo IdeaCentre B500

Lenovo IdeaCentre B500

Lenovo IdeaCentre B500

Lenovo IdeaCentre B500

IdeaCentre™ B500 (0887) - Windows 7 (web only models)

Type-model	Proc-essor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	TV tuner	Remote control	Keyboard/ Mouse	Win7 preload	Avail date
0887-1FU	E5400	2.70	2G	23" WUXGA	0.3M	GT 240M 1G	320GB[8]	DVD±RW	11b/g/n[28]	TV	IR remote	BT/BT	Prem 64	Dec 09
0887-2GU	E7500	2.93	*4G*	23" WUXGA	0.3M	GT 240M 1G	500GB	DVD±RW	11b/g/n	TV	IR remote	BT/BT	Prem 64	Dec 09
0887-2BU	E7500	2.93	*4G*	23" WUXGA	0.3M	GT 240M 1G	1TB	DVD±RW	11b/g/n	TV	4-in-1	BT/BT	Prem 64	Dec 09
0887-3AU	Q8400S	2.66	*4G*	23" WUXGA	0.3M	GTS 250M 1G	1TB	BD player	11b/g/n	TV	4-in-1	BT/BT	Prem 64	Dec 09

- ***All-In-One design with 23" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***(Seleted models) 4-in-1 remote control acts as a motion game controller (requires game support), VOIP handset, Media Center remote and air mouse***
- ***JBL® stereo speakers***

Processor	**Intel® Pentium® Processor E5400** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q8400S** with **quad-core**, 1333MHz system bus, and 4MB L2 cache
Implementation	Processor in LGA775 socket
Memory	**2GB** or **4GB** std / 4GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Non-italics:* standard memory in one socket; one socket available *Italics:* standard memory in both sockets; no sockets available
SATA DVD±RW	*Some:* DVD burner, dual-layer support, fixed, not removable, 12.7mm, tray-in
SATA Blu-ray™	*Some:* Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, tray-in
SATA disk	**320GB**, **500GB**, or **1TB**, SATA 3.0Gb/s, 3.5" wide, 7200 rpm
Widescreen display	**23.0"** (584.2mm) **WUXGA (1920x1080) TFT color**, **VibrantView** (glossy)**,** CCFL backlight, 300 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with microphone
Controls	Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display on/off
Graphics	*Some:* **NVIDIA® GeForce® GT 240M,** PCI Express® x16**, 1GB** memory; *Some:* **NVIDIA GeForce GTS 250M,** PCI Express x16**, 1GB** memory
Chipset	**Intel G41 Express Chipset**; I/O Controller Hub 7 (ICH7)
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), TV IN and AV IN on some models; *Side:* Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Mini PCI Express 11b/g/n[28]	Two Mini PCI Express slots 11b/g/n wireless[4], Mini PCIe adapter, Broadcom® BCM43225
TV tuner	*Some:* AverMedia® Hybrid tuner, support analog and digital signal, Mini PCIe adapter
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH7
Modem	None
Ethernet	10/100 ethernet on planar, RealTek® RTL8103EL
Audio support	High Definition (HD) Audio, RealTek ALC662 codec / two JBL® stereo speakers (5 watt)
Security	Power-on password, supervisor password
Keyboard	Bluetooth full-size keyboard, 6-row, 104-key, black
Mouse	Bluetooth Optical Wheel Mouse, black
Remote control	*Some:* MCE remote control (40-button), via IR *Some:* 4-in-1 remote control, via bluetooth, acts as motion game controller (requires game support), VOIP headset, MCE remote control, and air mouse
Power supply	200 watts, universal, auto-sensing
Dimensions[3]	*(WxHxD):* 22.05" x 17.20" x 3.44" to 5.22"; 560mm x 437mm x 87.5 to 132.5mm
Weight[2]	22.0 lb (10 kg)
Chassis	*Front:* black color; *rear:* silver gray color; ABS plastics
Stand	Adjustable stand (between 8° and 35°)

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- Media Show
- McAfee® VirusScan® Plus 2009 (30 days of virus definitions)
- Cyberlink Power2Go (DVD±RW, BD player)
- Corel® WinDVD® (BD player)

Available at lenovo.com

RoHS-compliant

Limited Warranty[12]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (43R8882)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced December 2, 2009

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Type-model	Proc-essor	GHz	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	TV tuner	Remote control	Keyboard/ Mouse	Win7 preload	Avail date
0887-1BU	E5400	2.70	*4G*	23" WUXGA	0.3M	G210M 512M	500GB[8]	DVD±RW	11b/g/n[28]			PS2/USB	Prem 64	Dec 09
0887-1CU	E5400	2.70	*4G*	23" WUXGA	0.3M	GT 240M 1G	500GB	DVD±RW	11b/g/n			BT/USB	Prem 64	Dec 09
0887-2CU	E7500	2.93	*4G*	23" WUXGA	0.3M	GT 240M 1G	640GB	DVD±RW	11b/g/n	TV	IR remote	BT/BT	Prem 64	Dec 09
0887-3BU	Q8400S	2.66	*4G*	23" WUXGA	0.3M	GTS 250M 1G	1TB	BD player	11b/g/n	TV	4-in-1	BT/BT	Prem 64	Dec 09

- ***All-In-One design with 23" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***(Seleted models) 4-in-1 remote control acts as a motion game controller (requires game support), VOIP handset, Media Center remote and air mouse***
- ***JBL® stereo speakers***

Processor	**Intel® Pentium® Processor E5400** with **dual-core**, 800MHz system bus, and 2MB L2 cache or **Intel Core™ 2 Duo Processor E7500** with **dual-core**, 1066MHz system bus, and 3MB L2 cache or **Intel Core 2 Quad Processor Q8400S** with **quad-core**, 1333MHz system bus, and 4MB L2 cache
Implementation	Processor in LGA775 socket
Memory	**4GB** std / 4GB max[7] / **PC3-8500 1066MHz DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; *Italics:* standard memory in both sockets; no sockets available
SATA DVD±RW	*Some:* DVD burner, dual-layer support, fixed, not removable, 12.7mm, tray-in
SATA Blu-ray™	*Some:* Blu-ray Disc reader (no Blu-ray media burning), BD-ROM, no HD-DVD playback, DVD recordable, not removable, 12.7mm high, tray-in
SATA disk	**500GB**, **640GB**, or **1TB**, SATA 3.0Gb/s, 3.5" wide, 7200 rpm
Widescreen display	**23.0"** (584.2mm) **WUXGA (1920x1080) TFT color**, **VibrantView** (glossy)**,** CCFL backlight, 300 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with microphone
Controls	Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display on/off
Graphics	*Some:* **NVIDIA® GeForce® G210M,** PCI Express® x16**, 512MB** memory; *Some:* **NVIDIA GeForce GT 240M,** PCI Express x16**, 1GB** memory; *Some:* **NVIDIA GeForce GTS 250M,** PCI Express x16**, 1GB** memory
Chipset	**Intel G41 Express Chipset**; I/O Controller Hub 7 (ICH7)
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card, xD-Picture Card™)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), TV IN and AV IN on some models; *Side:* Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm)
Mini PCI Express	Two Mini PCI Express slots
11b/g/n[28]	11b/g/n wireless[4], Mini PCIe adapter, Broadcom® BCM43225
TV tuner	*Some:* AverMedia® Hybrid tuner, support analog and digital signal, Mini PCIe adapter
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH7
Modem	None
Ethernet	10/100 ethernet on planar, RealTek® RTL8103EL
Audio support	High Definition (HD) Audio, RealTek ALC662 codec / two JBL® stereo speakers (5 watt)
Security	Power-on password, supervisor password
Keyboard	*Some:* Bluetooth full-size keyboard, 6-row, 104-key, black; *Some:* Full-size keyboard (PS/2 connector), Fn keys, black
Mouse	*Some:* Bluetooth Optical Wheel Mouse, black; *Some:* Optical Wheel Mouse (USB connector), 1000 dpi, black
Remote control	*Some:* MCE remote control (40-button), via IR; *Some:* 4-in-1 remote control, via bluetooth, acts as motion game controller (requires game support), VOIP headset, MCE remote control, and air mouse
Power supply	200 watts, universal, auto-sensing
Dimensions[3]	*(WxHxD):* 22.05" x 17.20" x 3.44" to 5.22"; 560mm x 437mm x 87.5 to 132.5mm
Weight[2]	22.0 lb (10 kg)
Chassis	*Front:* black color; *rear:* silver gray color; ABS plastics
Stand	Adjustable stand (between 8° and 35°)

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- Media Show
- McAfee® VirusScan® Plus 2009 (30 days of virus definitions)
- Cyberlink Power2Go (DVD±RW, BD player)
- Corel® WinDVD® (BD player)

RoHS-compliant

Limited Warranty[12]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (43R8882)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced December 2, 2009

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IdeaCentre™ B510 (7712) - Windows 7 (web only models)

Type-model	Proc-essor	GHz	Max turbo (GHz)	Memory	Widescreen display	Camera (mega-pixel)	Graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	TV tuner	Remote control	Key-board/ Mouse	Win7 preload	Avail date
7712-1SU	i3-550	3.20		2Gx2	23" FHD	0.3M	HD5450 512MB	500GB[8]	DVD±RW	11b/g/n[28]			BT/BT	Prem 64	Sep 10
7712-1TU	i5-650	3.20	3.46	2Gx3	23" FHD	0.3M	HD5570 1G	1TB	DVD±RW	11b/g/n	TV	IR remote	BT/BT	Prem 64	Sep 10
7712-1UU	i7-870S	2.66	3.60	2Gx3	23" FHD	0.3M	HD5850 1G	2TB	DVD±RW	11b/g/n	TV	IR remote	BT/BT	Prem 64	Sep 10

- ***All-In-One design with 23" Full HD 16:9 widescreen, glossy display***
- ***(Seleted models) Integrated TV tuner***
- ***JBL® stereo speakers***
- ***These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)***

Processor	**Intel® Core™ i3 processor i3-550** with **dual-core**, Intel 64, Hyper-Threading Technology, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache or **Intel Core i5 processor i5-650** with **dual-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 4MB cache or **Intel Core i7 processor i7-870S** with **quad-core**, Intel 64, Hyper-Threading Technology, Turbo Boost Technology, TXT, integrated 1333MHz dual-channel DDR3 memory controller, and 8MB cache
Implementation	Processor in LGA1156 socket
Memory	**4GB** or **6GB** std / 16GB max[7] / **DDR3**, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
SATA optical	DVD burner, dual-layer support, 12.7mm, tray-in
SATA disk	**500GB**, **1TB**, or **2TB**, SATA 3.0Gb/s, 3.5" wide, 7200 rpm
Widescreen display	**23.0"** (584.2mm) **WUXGA (1920x1080) TFT color**, **VibrantView** (glossy)**,** CCFL backlight, 300 nits**,** 16:9 aspect ratio, 1000:1 contrast ratio
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, with microphone
Controls	Touch-sensitive buttons for LED light on/off, volume up/down, brightness up/down, display on/off
Graphics	*Some:* **ATI™ Radeon™ HD 5450,** PCI Express® x16**, 512MB** memory; *Some:* **ATI Radeon HD 5570,** PCI Express x16**, 1GB** memory; *Some:* **ATI Mobility Radeon HD 5850,** PCI Express x16**, 1GB** memory
Chipset	**Intel H55 Express Chipset**
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital Elite Pro Card)
Ports	*Rear:* Four USB 2.0, ethernet (RJ-45), keyboard (PS/2), eSATA, TV IN and AV IN on some models; *Side:* Two USB 2.0, microphone input jack (3.5 mm), headphone jack (3.5 mm)
PCIe Mini Card 11b/g/n[28]	Two PCIe Mini Card slots 11b/g/n wireless[4], PCIe Half Mini Card adapter, Broadcom® or Atheros chip
TV tuner	*Some:* Hybrid tuner, support analog and digital signal, PCIe Mini Card adapter
Bluetooth™	Bluetooth 2.1 wireless + EDR
Modem	None
Ethernet	Gigabit ethernet on planar, Intel 82578DC
Audio support	High Definition (HD) Audio, Realtek® ALC662 codec / two JBL® stereo speakers (5 watt)
Security	Power-on password, supervisor password
Keyboard	Bluetooth full-size keyboard, 6-row, black
Mouse	Bluetooth Optical Wheel Mouse, black
Remote control	*Some:* MCE remote control (40-button), via IR
Power supply	200 watts, universal, auto-sensing
Dimensions[3]	*(WxHxD):* 22.05" x 17.20" x 3.76" to 5.53"; 560mm x 437mm x 95.5 to 140.5mm
Weight[2]	22.0 lb (10 kg)
Chassis	*Front:* black color; *rear:* silver gray color; ABS plastics
Stand	Adjustable stand (between 15° and 35°)

Preloaded operating system[20]
- Genuine Windows® 7 Home Premium 64

Preloaded applications[14] (only some listed)
- Lenovo® Rescue System
- McAfee® VirusScan® Plus 2009 (60 days of virus definitions)
- Lenovo Dynamic Brightness System
- Lenovo Eye Distance System
- Cyberlink Power2Go (DVD±RW)
- Windows Live Essential
- CyberLink YouCam
- Microsoft Office 2010 preloaded; purchase product key to activate

RoHS-compliant

Limited Warranty[12]
- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts**[23]**, 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **2-year Lenovo In-Home Repair 9x5 Next Business Day** (78Y1552)
  - **3-year Lenovo In-Home Repair 9x5 Next Business Day** (78Y1553)
- **24x7**[16] **toll-free support for warranty issues during the warranty period**[12] **via 877-453-6686**

See footnotes for important warranty information
US models announced September 8, 2010

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Lenovo IdeaCentre Q150

Lenovo IdeaCentre Q150
(NVIDIA ION models)

Lenovo IdeaCentre Q150
(NVIDIA ION models)

Lenovo IdeaCentre Q150

Lenovo IdeaCentre Q150
with optional mini wireless keyboard N5901

Lenovo IdeaCentre Q150
with optional mini USB keyboard and mouse

IdeaCentre™ Q150 (4081) - NVIDIA® ION™ (Windows 7)

Type-model	Processor	GHz	L2 cache	Memory[8]	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Color	Blue-tooth	Keyboard/ Mouse	Win7 preload	Avail date
4081-4AU	Atom D510	1.66	1MB	2GBx1	250GB[2]	None	NVIDIA ION	None	None	11b/g/n[28]	Black	None	2.4GHz	Prem 32	Jul 10

- ***IdeaCentre Q series provide ultimate multimedia experience for home entertainment***
- ***An Ultra-slim and fashionable desktop PC (only 0.5L)***
- ***Attaches to the back of selected VESA-compatible monitor for more space saving***
- ***Super power saving, saving up to 90% power compared to traditional desktop***
- ***Ultra quiet with low power platform***
- ***Support 1080p full HD multimedia playback and 3D gaming***
- ***Lenovo® Rescue System provides OneKey recovery without booting into Windows***

Processor	**Intel® Atom™ processor D510** with **dual-core**, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 800MHz), integrated graphic controller, Hyper-Threading technology, and 1MB L2 cache
Memory	**2GB std**, 2GB max[8], **PC2-6400 800MHz DDR2**, non-parity, one 200-pin SO-DIMM socket
Graphics	**NVIDIA® ION™ graphics processor**, DirectX® 10, **512MB** memory PureVideo® HD technology, Full HD decode (1080i/p), one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant
SATA disk	**250GB**, SATA 3.0Gb/s, 2.5" wide, 5400 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in NM10 chipset
SATA DVD±RW	None
Media reader	None
Chipset	**Intel NM10 Express Chipset**
Front ports	Two USB 2.0, S/PDIF-out
Rear ports	Two USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI), line-in (stereo, 3.5mm), line-out (stereo, 3.5mm)
Audio	High Definition (HD) audio, RealTek® ALC662 codec
External speakers	None
Internal speaker	None
Ethernet	10/100M ethernet on planar, Intel 82552V
Modem	None
Security chip	None
11b/g/n[28]	11b/g/n wireless[4], PCIe Mini Card, RealTek® RTL8191SU
TV tuner	None
Remote control	None
Camera	None
Keyboard	2.4GHz Wireless Mini Keyboard N5901, palm-sized dimensions, keyboard and mouse (with track ball) combo, via micro-size USB receiver
Mouse	None
Stand	Detachable stand (matching color with chassis)
Mount bracket	Mount bracket (black), meets the VESA 75mm and 100mm mount standard

Tiny Desktop (0.5L)

- Black color
- 6.05" W X 6.8" D X 0.85" H
- 153.6mm W X 172.7mm D X 21.7mm H
- 1.76 lb (0.8 kg) including stand
- No bays, no slots

Preloaded operating system[20]

- Genuine Windows® 7 Home Premium 32

Preloaded applications[14] (only some listed)

- Lenovo Rescue System
- Driver and Application Installation
- McAfee® VirusScan® Plus 2009 (60 days of virus definitions)
- CyberLink PowerDVD (discrete models)

65-watt AC adapter
RoHS-compliant

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, often next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 often Next Business Day** (78Y1551)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US model announced July 28, 2010

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IdeaCentre™ Q150 (4081) - NVIDIA® ION™ (Windows 7) - web only models

Personal Systems Reference (PSREF)

Type-model	Processor	GHz	L2 cache	Memory[8]	SATA disk	SATA optical	Graphics	TV tuner	Remote control	802.11 wireless	Color	Blue-tooth	Keyboard/ Mouse	Win7 preload	Avail date
4081-6AU	Atom D510	1.66	1MB	2GBx1	500GB[2]	None	NVIDIA ION	None	None	11b/g/n[28]	Black	None	USB/USB	Prem 32	Jul 10

- ***IdeaCentre Q series provide ultimate multimedia experience for home entertainment***
- ***An Ultra-slim and fashionable desktop PC (only 0.5L)***
- ***Attaches to the back of selected VESA-compatible monitor for more space saving***
- ***Super power saving, saving up to 90% power compared to traditional desktop***
- ***Ultra quiet with low power platform***
- ***Support 1080p full HD multimedia playback and 3D gaming***
- ***Lenovo® Rescue System provides OneKey recovery without booting into Windows***

Processor	**Intel® Atom™ processor D510** with **dual-core**, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 800MHz), integrated graphic controller, Hyper-Threading technology, and 1MB L2 cache
Memory	**2GB std**, 2GB max[8], **PC2-6400 800MHz DDR2**, non-parity, one 200-pin SO-DIMM socket
Graphics	**NVIDIA® ION™ graphics processor**, DirectX® 10, **512MB** memory PureVideo® HD technology, Full HD decode (1080i/p), one analog VGA DB-15 connector, one HDMI connector, HDCP-compliant
SATA disk	**500GB**, SATA 3.0Gb/s, 2.5" wide, 5400 rpm
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in NM10 chipset
SATA DVD±RW	None
Media reader	None
Chipset	**Intel NM10 Express Chipset**
Front ports	Two USB 2.0, S/PDIF-out
Rear ports	Two USB 2.0, ethernet (RJ-45), monitor (VGA DB-15, HDMI) line-in (stereo, 3.5mm), line-out (stereo, 3.5mm)
Audio	High Definition (HD) audio, RealTek® ALC662 codec
External speakers	None
Internal speaker	None
Ethernet	10/100M ethernet on planar, Intel 82552V
Modem	None
Security chip	None
11b/g/n[28]	11b/g/n wireless[4], PCIe Mini Card, RealTek® RTL8191SU
TV tuner	None
Remote control	None
Camera	None
Keyboard	Mini Keyboard (USB connector), black
Mouse	Mini Optical Wheel Mouse (USB connector), black
Stand	Detachable stand (matching color with chassis)
Mount bracket	Mount bracket (black), meets the VESA 75mm and 100mm mount standard

Tiny Desktop (0.5L)

- Black color
- 6.05" W X 6.8" D X 0.85" H
- 153.6mm W X 172.7mm D X 21.7mm H
- 1.76 lb (0.8 kg) including stand
- No bays, no slots

Preloaded operating system[20]

- Genuine Windows® 7 Home Premium 32

Preloaded applications[14] (only some listed)

- Lenovo Rescue System
- Driver and Application Installation
- McAfee® VirusScan® Plus 2009 (60 days of virus definitions)
- CyberLink PowerDVD (discrete models)

65-watt AC adapter
RoHS-compliant

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, often next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 often Next Business Day** (78Y1551)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US model announced July 28, 2010

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Lenovo IdeaCentre D400

Lenovo IdeaCentre D400

Lenovo IdeaCentre D400

Lenovo IdeaCentre D400 (rear view)

Lenovo IdeaCentre D400

Lenovo IdeaCentre D400 (left view)

IdeaCentre™ D400 (3013)

Type-model	Processor	GHz	L2 cache	Memory[8]	SATA disks	SATA optical	Graphics	eSATA	Ethernet	Color	`Preload	Avail date
3013-1AU	Atom 230	1.60	512KB	1GB	1TB[2] (1TB, 0, 0, 0)	None	GMA 950	eSATA	Gigabit	Black	Windows Home Server	Sep 09
3013-1BU	Atom 230	1.60	512KB	1GB	2TB (1TB, 1TB, 0, 0)	None	GMA 950	eSATA	Gigabit	Black	Windows Home Server	Sep 09
3013-1CU	Atom 230	1.60	512KB	1GB	1TB (1TB, 0, 0, 0)	None	GMA 950	**eSATA**	Gigabit	Black	Windows Home Server	Sep 09
3013-1DU	Atom 230	1.60	512KB	1GB	2TB (1TB, 1TB, 0, 0)	None	GMA 950	**eSATA**	Gigabit	Black	Windows Home Server	Sep 09

- ***A Digital home storage, smaller than a 9 inch cube and built to store/share music, movies, files and more.***
- ***Easy plug-and-play set up and convenient remote access.***
- ***Provides four 3.5 inch bays for hard disks, up to 8TB capacity.***
- ***Easy USB file transfer, pressing one button to copy USB drive contents to the internal hard drives.***

Processor	**Intel® Atom™ Processor 230** with single-core, Hyper-Threading technology, Intel 64 Technology, Execute Disable Bit, 533MHz system bus, and 512KB L2 cache
Implementation	Processor in Micro-FCBGA package in BGA437 socket
Memory	**1GB std**, 2GB max[8], **PC2-6400 800MHz DDR2**, non-parity, one 240-pin DIMM socket *Non-Italics:* standard memory in socket; no sockets available
Graphics	**Intel Graphics Media Accelerator 950 (GMA 950)**, integrated graphics in 945GC, uses main memory, no monitor ports, remote access via network
SATA disks Disk bays	**1TB** or **2TB std**, up to 8TB capacity**,** SATA 3Gb/s, 7200 rpm, Four hard disk bays, tool-less, support hot-swap* * Need to first remove disk in software via Windows Home Server Console
SATA controller	Serial ATA, SATA 3.0Gb/s, integrated in ICH7
SATA DVD±RW	None
SATA cables	Four SATA cables (each 1-drop to device), Four SATA connectors
eSATA port	One external SATA (eSATA) port in rear
Diskette drive	None
Media reader	None
Chipset	**Intel 945GC Express Chipset**, I/O Controller Hub 7 RAID [ICH7R] (SATA 3.0Gb/s, ethernet MAC, PCI 2.3, USB, LPC bus)
Front ports	One USB 2.0 with USB copy button (Easy USB file transfer function)
Rear ports	Four USB 2.0, one eSATA, ethernet (RJ-45)
Rear audio ports	None
Audio	None
External speakers	None
Internal speaker	None
Ethernet	Gigabit ethernet on planar, Marvell® 88E8071
Modem	None
Security chip	None
Keyboard	None
Mouse	None
Power supply	200 watts, universal, auto autosensing
Security	Security slot (in rear for optional Kensington® Microsaver® cable)

Small Form Factor

- Black color bezel
- 7.9" W X 8.2" D X 8.3" H
- 200mm W X 208.6mm D X 212mm H
- 14.3 lb (6.5 kg) for maximum configuration

Bay ① 3.5", 1" high, external, standard disk
Bay ② 3.5", 1" high, external, optional disk*
Bay ③ 3.5", 1" high, external, optional disk*
Bay ④ 3.5", 1" high, external, optional disk*
* Bay used in some models

Slot 1: half-length,low-profile, PCI Express x4

Data protection features

- Back up all your home digital devices automatically
- Duplicate important data automatically, copy designated data to two internal hard drives for added safety (some models)
- Inbuilt flash drive allows easy recovery and prevents data lost in the event of a system problem

Available at these retailers
- lenovo.com

Preloaded operating system[20]
- Genuine Windows® Home Server

Preloaded applications[5]
- LightsOut
- iTunes Server
- LED brightness control
- One Key USB backup
- IP address configuration
- System Information

Client applications (Needs customer installation, Client software CD included)
- Windows Home Server Connector Software
- Lenovo Home Server EasyAccess utilitty

Limited Warranty[1]

- **1-year parts and labor**
- **Customer Replaceable Unit (CRU) parts only (with limited onsite service for selected parts[3], 8 am - 5 pm, Mon - Fri coverage excluding holidays, often next business day response time)**
- **Service upgrade options (in eligible locations):**[9]
  - **3-year Lenovo Onsite Repair 9x5 Next Business Day** (78Y1551)
- **24x7**[14] **toll-free support for warranty issues during the warranty period**[1] **via 877-453-6686**

See footnotes for important warranty information
US models announced September 1, 2009

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Partial list of accessories supported on:
IdeaCentre K210, K220, K230, K300, K305, K320, and Q700
IdeaCentre All-In-One A300, A600, A700, B305, and B500

Storage and removable storage

USB 2.0 MyKey E10 Flash Drive 1GB	45J7701	*ann 04/29/08*
USB 2.0 MyKey E10 Flash Drive 2GB	45J7702	*ann 04/29/08*
USB 2.0 MyKey E10 Flash Drive 4GB	45J7703	*ann 04/29/08*
USB 2.0 MyKey C40 Flash Drive 2GB	57Y6288	
USB 2.0 MyKey C40 Flash Drive 4GB	57Y6289	
USB 2.0 MyKey C40 Flash Drive 8GB	57Y6290	
USB 2.0 MyKey C40 Flash Drive 16GB	57Y6287	
USB 2.0 Portable Secure 160GB Hard Disk	43R2018	*ann 11/18/08*
USB 2.0 Portable Secure 320GB Hard Disk	43R2019	*ann 11/18/08*
USB 2.0 Portable 500GB Hard Disk	45K1690	*ann 05/26/09*
Lenovo DataSlim UHD E18 320GB	55Y9401	
Lenovo DataSlim UHD E18 500GB	55Y9402	
Lenovo Portable DVD Burner GP20N (black)	55Y9391	
Lenovo Portable DVD Burner GP20N (white)	55Y9392	

Keyboard

Preferred Pro USB Keyboard	73P5220	*ann 06/21/05*
Enhanced Performance USB Keyboard	73P2620	*ann 03/23/04*
Lenovo Mini Wireless Keyboard N5901[52] (blk)	57Y6336	
Lenovo Keyboard and Mouse KM4802A (blk)	57Y6462	
Ultraslim Wireless Keyboard and Mouse[52]	57Y4700	*ann 09/15/09*

[52] Wireless via 2.4GHz technology using a micro-size USB receiver.

Mouse

Lenovo Laser Mouse (USB)	41U3074	*ann 01/23/07*
Lenovo Mini Optical Mouse M30 (blue)	47J7738	*ann 06/17/08*
Mini Wireless Laser Mouse N10 (black)	45J7731	*ann 06/17/08*
Lenovo Optical Mouse A6010 (red)	57Y6483	
Lenovo Optical Mouse A6010 (black)	57Y6255	
Lenovo Mini Optical Mouse S10A (white)	55Y9356	
Lenovo Mini Optical Mouse S10A (black)	55Y9355	
Lenovo Mini Optical Mouse S10B (white)	55Y9358	
Lenovo Mini Optical Mouse S10B (black)	55Y9357	
Lenovo Mini Optical Mouse M20A	55Y2090	
Lenovo Mini Optical Mouse M20B	55Y2091	
Lenovo Mini Optical Mouse M30 (blue)	45J7738	
Bluetooth Laser Mouse N6901A (black)	57Y6464	
Bluetooth Laser Mice N6901A (glossy black)	57Y6482	
Lenovo Wireless Mouse N30B (black)	55Y9360	
Lenovo Mini Wireless Laser Mouse N10 (blk)	45J7731	

Multimedia

Lenovo Mini Speaker M220	55Y2033
Lenovo Headphone P550	55Y2065
Lenovo 7" LCD DPF P700 Black	55Y2059
Lenovo 7" LCD DPF P710 Gold	55Y2048

Monitors

Lenovo L2230x Wide 21.5" Monitor	5453HB1	*ann 06/10/10*
ThinkVision® L1711p 17" Monitor	5047HB2	*ann 10/20/09*
ThinkVision L1900p 19" Monitor	4431HE1	*ann 11/11/08*
ThinkVision L1951p Wide 19" Monitor	2448HB6	*ann 10/20/09*
ThinkVision L2250p Wide 22" Monitor	2572HB6	*ann 10/20/09*
ThinkVision L2251p Wide 22" Monitor	2572HD6	*ann 10/20/09*
ThinkVision L2251x Wide 22" Monitor	2578HB6	*ann 10/20/09*
ThinkVision L2321x Wide 23" Monitor	4014HB6	*ann 06/10/10*
ThinkVision L2440p Wide 24" Monitor	4420HB2	*ann 09/17/08*

Monitor Accessories[46]

ThinkVision USB Soundbar	40Y7616	*ann 08/23/05*
ThinkVision Soundbar	45K1263	*ann 09/16/08*
Kensington® MicroSaver® Cable Lock	73P2582	*ann 12/29/03*
Kensington Twin Head Cable Lock	45K1620	*ann 09/30/08*
Lenovo Security Cable Lock	57Y4303	*ann 08/24/10*
Lenovo Easy Reach Monitor Stand	55Y9258	*ann 09/22/09*

[46] Compatible on selected ThinkVision monitors.

More information at **www.lenovo.com/support/monitoraccessories**

Consumer monitors

Lenovo L195 Wide 19" LCD Monitor	4418HC1	*ann 09/02/08*
Lenovo L222 Wide 22" LCD Monitor	4432HF1	*ann 09/02/08*

Other accessories at **www.lenovo.com/accessories**

Accessories Guide pdf at **www.lenovo.com/accessoriesguide**

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Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time, without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

[1] **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.

[2] **Hard disk drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.

[3] **Customer Replacement Units** (CRUs) are designed to be replaced by customers during the applicable warranty period. Lenovo will send a technician onsite to perform a repair if remote telephone diagnosis does not isolate the problem, if customer replaceable parts are unable to resolve the problem, or at the request of the customer. For a list of customer replaceable parts, contact Lenovo. Support unrelated to a warranty issue may be subject to additional charges.

[4] **Wireless capability:** Requires compatible wireless-enabled options sold separately.

[5] **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. License agreements may apply.

[7] **Maximum memory capacity** may require the replacement of standard component with largest supported component available. On ThinkPad systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.

[8] **Memory:** For PCs without a separate video card, memory supports both system and video. Accessible system memory is less than the amount stated, depending on video mode.

[9] **Service upgrade options:** Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warrantyperiod. Service levels are response time objectives and are not guarantees.

[10] **Modem speeds:** Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.

[14] **Response times may vary.** May exclude some holidays. Telephone support may be subject to additional charges.

[20] **Operating System:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

[28] **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.

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October 2010
icbook.pdf